Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216001 2005 SZ_{286}	16.1	X	341.58120	245.59068	95.08972	8.72633	0.1475944	0.17842145	3.1249136	21	8 23.0	19.8
216002 2005 TL_{7}	14.4	X	30.94457	25.07101	221.00954	27.79131	0.1827234	0.17332305	3.1858977	21	7 7.5	18.7
216003 2005 TF_{76}	15.5	X	274.60387	301.60278	98.69359	10.29473	0.1386241	0.17687053	3.1431545	21	7 26.5	19.9
216004 2005 TK_{103}	16.2	X	122.65646	318.21941	6.65095	4.31566	0.1642616	0.20043256	2.8917264	21	—	—
216005 2005 TU_{130}	15.3	X	175.62410	213.87816	168.35144	3.99367	0.1035734	0.15455711	3.4388248	21	3 27.2	20.5
216006 2005 TL_{160}	16.0	X	331.60184	59.22266	260.15985	3.99262	0.0903686	0.17296444	3.1902998	21	7 8.1	20.0
216007 2005 TX_{160}	16.2	X	190.88722	106.81967	241.23635	5.52534	0.0608743	0.21528530	2.7571462	21	2 18.2	20.3
216008 2005 TS_{180}	15.3	X	317.38204	216.25509	121.52122	7.26327	0.1462154	0.17542858	3.1603546	21	7 3.9	19.3
216009 2005 UD_{34}	16.1	X	23.84615	162.07546	163.21304	0.55609	0.1951628	0.18187744	3.0852012	21	10 20.7	19.8
216010 2005 UY_{65}	15.6	X	40.45711	244.00976	90.68428	9.58640	0.1896030	0.18909717	3.0061642	21	11 27.7	19.6
216011 2005 US_{66}	15.2	X	329.08040	241.97906	122.61663	9.59311	0.2354274	0.17995121	3.1071785	21	8 23.3	18.4
216012 2005 UX_{80}	14.4	X	294.20128	297.57077	83.01034	27.74986	0.2650128	0.17305848	3.1891440	21	7 5.1	18.8
216013 2005 UL_{95}	15.8	X	60.50064	250.88700	117.55836	3.01301	0.1177693	0.19416088	2.9536672	21	—	—
216014 2005 UZ_{141}	14.9	X	340.06420	241.28353	99.08584	11.36937	0.1733610	0.17614239	3.1518108	21	8 18.2	18.5
216015 2005 UB_{162}	16.4	X	302.66394	191.34159	140.35635	5.87443	0.1637836	0.23396014	2.6084037	21	5 30.0	19.6
216016 2005 UD_{213}	16.6	X	9.79061	331.01515	271.37277	5.74658	0.0985537	0.27729810	2.3290106	21	5 18.8	18.8
216017 2005 UZ_{253}	15.2	X	109.44151	65.35515	245.26374	10.15316	0.0780423	0.19137181	2.9822959	21	12 30.1	19.8
216018 2005 UJ_{349}	15.3	X	278.49287	326.66723	0.97397	15.40490	0.2226933	0.22760386	2.6567436	21	4 10.3	19.4
216019 2005 UU_{383}	15.4	X	330.70546	275.34604	75.06550	11.03963	0.0807833	0.17731862	3.1378571	21	8 23.1	19.6
216020 2005 UD_{510}	17.2	X	334.53314	57.55060	252.16076	3.75786	0.0241335	0.29254449	2.2473710	21	7 4.8	19.8
216021 2005 UF_{510}	15.1	X	84.56793	185.74020	64.17899	18.87338	0.1737334	0.17583264	3.1555112	21	10 11.5	20.1
216022 2005 UY_{517}	15.8	X	317.74278	213.81145	106.20101	9.25462	0.0529187	0.16920515	3.2373799	21	6 22.9	20.2
216023 2005 VH	15.7	X	47.10330	84.81114	235.88002	2.76637	0.2086309	0.18644403	3.0346159	21	11 19.9	19.9
216024 2005 VX_{10}	15.5	X	206.98135	229.02117	68.18543	13.41818	0.2366998	0.20906608	2.8115577	21	1 12.3	20.6
216025 2005 VX_{56}	15.2	X	103.47181	128.92664	213.97928	11.37792	0.0701707	0.19415340	2.9537430	21	—	—
216026 2005 VJ_{87}	15.6	X	335.25606	250.22744	66.65496	5.03891	0.1474826	0.17117889	3.2124466	21	7 6.4	19.3
216027 2005 VS_{115}	15.3	X	44.60004	272.82625	31.76337	10.14375	0.2459943	0.18258640	3.0772097	21	11 1.1	19.4
216028 2005 WB_{59}	15.9	X	103.43189	295.87772	319.99945	1.34649	0.1340354	0.17749843	3.1357376	21	10 23.7	20.6
216029 2005 XW_{64}	15.8	X	321.58418	213.55708	142.53504	5.80355	0.2164990	0.23570242	2.5955338	21	7 29.2	18.1
216030 2005 XR_{79}	15.4	X	201.55781	39.11347	160.61762	4.93762	0.0622733	0.16964982	3.2317204	21	11 23.9	20.2
216031 2005 YA_{128}	17.4	X	270.05196	98.91965	328.67240	2.11516	0.1687720	0.29675766	2.2260492	21	8 27.4	19.7
216032 2005 YY_{194}	16.5	X	202.71396	211.21555	128.20505	7.17790	0.1267971	0.26998138	2.3709015	21	2 17.7	20.0
216033 2006 AW_{67}	16.7	X	124.81452	248.20020	108.71951	3.71535	0.1865406	0.26110677	2.4243238	21	—	—
216034 2006 BN_{143}	12.5	X	318.05441	152.40012	155.18328	24.96765	0.0793572	0.08318018	5.1974398	21	6 10.9	19.5
216035 2006 BA_{168}	17.4	X	210.67062	294.13366	136.72006	4.39659	0.1589590	0.28311268	2.2970115	21	6 22.5	20.9
216036 2006 DY_{9}	16.6	X	48.09299	32.92263	30.90600	6.42842	0.2019576	0.25208774	2.4818083	21	—	—
216037 2006 DU_{12}	15.4	X	207.43941	144.95408	161.07848	12.62103	0.0867092	0.18957179	3.0011446	21	1 21.9	20.2
216038 2006 DH_{59}	17.7	X	163.01759	108.44160	185.18477	3.02178	0.1923039	0.30365018	2.1922346	21	—	—
216039 2006 EG_{16}	16.3	X	40.40665	269.81625	36.12766	2.85974	0.0607019	0.22166580	2.7039807	21	10 7.4	19.7
216040 2006 HE_{1}	15.1	X	354.43760	124.21518	32.82466	10.92465	0.0928678	0.18521901	3.0479817	21	1 14.7	19.2
216041 2006 HO_{9}	17.2	X	194.60782	41.31055	240.42777	2.81845	0.1328453	0.30604222	2.1807965	21	—	—
216042 2006 JC_{19}	17.5	X	313.51462	248.10651	183.03998	4.54369	0.1316018	0.28924736	2.2644172	21	11 28.8	19.4
216043 2006 JP_{33}	16.0	X	119.74428	290.68642	48.56648	1.31970	0.1350692	0.17044477	3.2216641	21	—	—
216044 2006 JV_{35}	17.9	X	273.14209	12.79835	202.06349	5.09357	0.0805050	0.30658356	2.1782287	21	—	—
216045 2006 KZ_{55}	17.4	X	226.57785	154.93972	109.99764	2.83466	0.1491935	0.30021813	2.2089104	21	—	—
216046 2006 LK_{1}	17.6	X	150.42359	282.62422	33.38445	0.82094	0.2042180	0.29274297	2.2463551	21	—	—
216047 2006 OJ_{2}	16.6	X	6.83136	190.23583	150.48422	5.74449	0.1898787	0.26643620	2.3918865	21	10 30.2	18.8
216048 2006 OQ_{10}	17.3	X	196.94980	212.19374	110.40711	5.38773	0.1831437	0.30147679	2.2027581	21	1 19.2	20.5
216049 2006 OS_{13}	17.5	X	180.07704	189.07867	141.95639	6.64228	0.2320852	0.29959997	2.2119478	21	1 17.4	20.8
216050 2006 OA_{15}	17.1	X	198.36467	204.99546	92.37274	7.10484	0.1749888	0.29893000	2.2152516	21	—	—
216051 2006 OR_{17}	16.0	X	155.20262	256.13751	69.40050	14.84543	0.1770430	0.22988688	2.6391248	21	—	—
216052 2006 OL_{20}	16.8	X	117.03260	242.19720	96.34198	7.98530	0.1690457	0.28928975	2.2641960	21	—	—
216053 2006 PD_{10}	16.7	X	319.34147	241.72514	140.75484	5.45780	0.1920015	0.26439508	2.4041809	21	9 14.1	18.5
216054 2006 PB_{13}	16.8	X	138.57653	355.72338	270.15275	3.55046	0.1206304	0.28262853	2.2996340	21	12 23.3	20.0
216055 2006 PB_{20}	16.8	X	55.03061	204.00196	146.89992	6.76789	0.1349581	0.27945389	2.3170173	21	—	—
216056 2006 PM_{21}	17.3	X	132.36119	190.85139	133.76707	5.70532	0.1550161	0.28932543	2.2640099	21	—	—
216057 2006 PU_{26}	17.2	X	85.52839	265.90284	62.03448	3.61673	0.2432231	0.28048844	2.3113164	21	—	—
216058 2006 PT_{35}	17.0	X	99.44870	277.43279	69.86262	7.10252	0.2337293	0.28667504	2.2779427	21	—	—
216059 2006 PR_{41}	16.5	X	256.22850	154.46930	247.27266	5.45869	0.1080573	0.25816505	2.4427054	21	7 9.1	19.7
216060 2006 QN_{2}	16.6	X	26.91823	180.88164	158.52018	3.92649	0.0701111	0.27104887	2.3646724	21	11 12.6	19.3
216061 2006 QU_{6}	15.8	X	163.50206	288.87172	335.88418	8.16899	0.1689898	0.21899070	2.7259566	21	—	—
216062 2006 QJ_{7}	16.8	X	172.99692	125.68818	155.40243	22.57307	0.1760976	0.29009451	2.2600066	21	—	—
216063 2006 QZ_{8}	17.4	X	346.13338	174.56362	158.30201	1.62458	0.2173442	0.26207920	2.4183232	21	8 25.5	18.7
216064 2006 QP_{10}	16.8	X	299.18384	259.68953	115.68292	6.98761	0.1480521	0.25621070	2.4551114	21	7 28.7	19.4
216065 2006 QM_{13}	17.0	X	37.28812	42.05318	249.99396	3.44466	0.0565438	0.26586277	2.3953246	21	9 15.8	19.8
216066 2006 QO_{13}	16.6	X	67.65272	241.44059	104.79479	7.88839	0.1485876	0.27963860	2.3159969	21	—	—
216067 2006 QP_{13}	16.8	X	115.28352	228.90066	81.53548	7.30010	0.1311302	0.28329990	2.2959994	21	—	—
216068 2006 QO_{14}	16.7	X	33.34228	229.10780	55.13434	2.76366	0.0398193	0.26446043	2.4037848	21	8 30.7	19.5
216069 2006 QZ_{14}	15.5	X	118.18525	67.68219	306.50540	11.21506	0.2241223	0.16125824	3.3428850	21	1 31.5	20.5
216070 2006 QO_{20}	17.6	X	114.57005	113.09550	223.66318	1.04783	0.2342918	0.28638777	2.2794657	21	—	—
216071 2006 QE_{25}	17.2	X	63.44245	242.25087	109.64910	2.99949	0.2206676	0.27900295	2.3195132	21	—	—
216072 2006 QL_{29}	16.4	X	319.77063	267.33851	71.08507	3.54612	0.1989617	0.25901130	2.4373818	21	6 30.9	18.6
216073 2006 QD_{33}	16.1	X	88.18577	136.13387	211.70089	19.23359	0.2505782	0.28288933	2.2982204	21	—	—
216074 2006 QE_{36}	16.7	X	76.55379	248.69586	47.76919	5.26969	0.1205436	0.27270379	2.3550959	21	11 25.9	19.9
216075 2006 QO_{44}	16.9	X	337.54943	207.49346	167.70375	6.14274	0.0927479	0.26821701	2.3812875	21	10 16.2	19.2
216076 2006 QV_{46}	16.7	X	173.27106	286.24417	134.90405	15.07540	0.2105826	0.24369811	2.5384461	21	5 13.0	21.3
216077 2006 QG_{53}	17.0	X	36.46308	187.57816	136.77968	6.35861	0.1065544	0.26952416	2.3735820	21	11 12.2	19.9
216078 2006 QE_{54}	17.0	X	145.83637	227.39351	90.21026	5.75795	0.2018494	0.29018031	2.2595611	21	—	—
216079 2006 QY_{57}	16.1	X	66.15023	338.00010	50.36424	9.48167	0.1128482	0.21497146	2.7598290	21	—	—
216080 2006 QK_{60}	17.0	X	48.94246	224.66212	141.39045	7.44412	0.2206483	0.27919741	2.3184361	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216081 2006 QM_{78}	17.5	X	109.86440	272.06495	42.64028	1.89981	0.2321799	0.28191319	2.3035225	21	—	—
216082 2006 QS_{78}	16.8	X	347.28858	317.06660	38.24808	3.32284	0.2385767	0.26515573	2.3995808	21	10 11.5	18.2
216083 2006 QZ_{85}	15.5	X	208.95630	235.56250	157.82836	11.59979	0.0858282	0.18079016	3.0975585	21	5 13.3	20.4
216084 2006 QA_{96}	15.5	X	194.17633	37.38629	15.07594	16.32803	0.1851734	0.17913196	3.1166450	21	5 12.4	20.9
216085 2006 QT_{107}	16.6	X	29.49410	347.08210	306.45160	4.91822	0.0844698	0.26315494	2.4117282	21	9 9.4	19.4
216086 2006 QN_{130}	16.9	X	193.56014	143.58310	92.79953	7.04576	0.0888569	0.28628618	2.2800050	21	—	—
216087 2006 QE_{135}	17.6	X	124.79785	63.98198	323.69346	2.14803	0.1759649	0.29432490	2.2382987	21	1 25.8	20.2
216088 2006 QL_{135}	17.2	X	157.05316	343.17845	297.02866	8.12090	0.2272403	0.28663906	2.2781333	21	—	—
216089 2006 QH_{136}	16.0	X	350.76993	118.39880	226.85522	7.38828	0.2801561	0.26355314	2.4092984	21	10 3.8	17.2
216090 2006 QK_{136}	16.7	X	330.58830	156.82811	211.90749	8.77378	0.2323242	0.26268453	2.4146066	21	9 9.9	18.5
216091 2006 QZ_{159}	16.8	X	197.95766	183.61570	159.57025	2.80939	0.1002005	0.23522210	2.5990660	21	2 20.5	20.7
216092 2006 QU_{161}	17.4	X	108.39992	297.97093	333.43331	1.02135	0.1731663	0.27448454	2.3448989	21	12 1.4	21.1
216093 2006 QZ_{166}	16.6	X	188.85759	215.93000	203.39189	3.48880	0.2338446	0.24511930	2.5286247	21	5 19.1	20.9
216094 2006 QK_{168}	16.6	X	45.50695	215.97222	102.11163	5.05727	0.0968134	0.27008337	2.3703046	21	11 13.9	19.4
216095 2006 RW_{5}	16.2	X	45.15911	185.41167	221.88692	4.34407	0.0416159	0.21312766	2.7757233	21	—	—
216096 2006 RT_{13}	16.2	X	342.70249	303.86103	195.07512	12.60720	0.2012018	0.22576143	2.6711783	21	—	—
216097 2006 RU_{16}	16.3	X	136.91828	332.00861	34.59383	3.60196	0.1212313	0.22691886	2.6620875	21	1 20.0	20.0
216098 2006 RT_{18}	15.6	X	109.82046	180.84033	223.94656	13.63102	0.2442398	0.22489599	2.6780267	21	2 15.7	19.5
216099 2006 RS_{20}	17.5	X	68.80086	270.91538	138.13032	0.71963	0.1606839	0.28629874	2.2799383	21	—	—
216100 2006 RA_{23}	16.8	X	65.29266	242.29236	104.09047	7.11414	0.2495073	0.27744733	2.3281753	21	—	—
216101 2006 RJ_{23}	16.6	X	16.09001	257.03155	195.22914	5.28002	0.1246732	0.28422295	2.2910257	21	—	—
216102 2006 RS_{24}	17.6	X	72.88906	48.28114	271.71506	3.49841	0.0986017	0.27684836	2.3315321	21	12 20.8	20.8
216103 2006 RE_{34}	16.5	X	341.70305	290.55641	78.42361	3.41417	0.2280744	0.26424420	2.4050959	21	10 19.6	18.0
216104 2006 RA_{44}	17.7	X	65.07911	132.13923	173.42710	5.21036	0.2427394	0.27121937	2.3636813	21	12 9.6	21.3
216105 2006 RX_{44}	15.6	X	163.48878	295.47750	175.36953	5.29898	0.0933706	0.17928356	3.1148878	21	6 27.5	20.4
216106 2006 RN_{46}	16.6	X	144.35790	269.85786	33.66865	3.61151	0.0595635	0.21551380	2.7551970	21	—	—
216107 2006 RZ_{47}	16.4	X	169.19724	177.05335	183.89642	7.05032	0.1034587	0.22998496	2.6383744	21	2 12.2	20.4
216108 2006 RL_{69}	18.0	X	91.12617	319.60438	326.90553	0.90764	0.2059513	0.27373844	2.3491578	21	12 6.4	21.6
216109 2006 RJ_{75}	17.2	X	39.02085	239.10626	25.77641	2.77560	0.1542537	0.25845944	2.4408502	21	8 27.8	19.7
216110 2006 RA_{85}	16.9	X	32.44593	88.77290	193.78115	3.00283	0.1746509	0.26037926	2.4288375	21	9 13.4	19.2
216111 2006 RU_{87}	16.6	X	249.43377	203.64491	36.62009	2.45790	0.0858112	0.22389003	2.6860425	21	—	—
216112 2006 RP_{90}	16.4	X	208.77999	209.70537	15.91168	4.44959	0.0137433	0.21143388	2.7905276	21	—	—
216113 2006 RB_{91}	16.8	X	25.38655	259.03176	205.16356	1.60371	0.0531870	0.22050104	2.7134946	21	—	—
216114 2006 SF_{14}	17.4	X	37.91917	94.01298	225.44205	4.95836	0.2041031	0.26891621	2.3771581	21	11 20.8	20.3
216115 2006 SU_{19}	18.8	X	185.95553	10.57598	152.23952	2.09335	0.5866160	0.52238972	1.5268849	21	9 22.0	21.7
216116 2006 SE_{28}	16.7	X	118.24339	274.29071	281.57856	4.52559	0.1789200	0.26505918	2.4001635	21	9 3.7	20.4
216117 2006 SJ_{36}	16.9	X	8.24616	246.22375	80.27774	7.10445	0.1360442	0.26342615	2.4100726	21	10 5.0	19.4
216118 2006 SV_{38}	16.2	X	71.58705	155.74127	241.96146	2.91417	0.1260623	0.21759965	2.7375618	21	—	—
216119 2006 SM_{42}	16.3	X	137.59023	5.28186	26.24447	3.97686	0.1007906	0.22749604	2.6575829	21	2 18.8	20.0
216120 2006 SP_{46}	17.7	X	44.97599	83.43402	213.60092	4.26741	0.1436972	0.26669671	2.3903286	21	10 20.4	20.5
216121 2006 ST_{56}	16.7	X	96.68711	271.27749	63.79555	7.67994	0.2545057	0.28230752	2.3013769	21	—	—
216122 2006 SJ_{62}	16.9	X	65.51691	148.79535	167.35892	6.18514	0.1258925	0.27223111	2.3578213	21	12 10.4	20.2
216123 2006 SN_{68}	16.3	X	19.06626	280.12695	122.74594	1.17226	0.0723449	0.20988574	2.8042330	21	—	—
216124 2006 SW_{69}	16.3	X	122.76209	199.69468	193.37920	15.92886	0.1131918	0.22497923	2.6773661	21	1 30.8	20.3
216125 2006 SN_{71}	17.6	X	55.45778	118.25715	155.97207	2.23590	0.2263825	0.26228263	2.4170726	21	10 16.8	20.6
216126 2006 SD_{89}	16.1	X	134.62852	94.64527	48.38192	2.21679	0.1148898	0.17936604	3.1139328	21	7 9.3	20.8
216127 2006 SA_{92}	16.3	X	57.11704	221.91179	217.93602	2.03042	0.0467259	0.22048332	2.7136400	21	—	—
216128 2006 SZ_{92}	16.9	X	37.03808	17.54240	259.57320	0.47961	0.1715325	0.25768230	2.4457552	21	9 12.8	19.6
216129 2006 SX_{93}	17.2	X	43.57303	243.31165	54.76824	2.04171	0.1898674	0.26340869	2.4101791	21	10 27.4	20.0
216130 2006 SN_{95}	16.2	X	112.05691	101.72173	178.59695	1.91137	0.0339048	0.20256017	2.8714418	21	11 26.7	20.2
216131 2006 SE_{97}	16.7	X	266.13153	23.87800	198.84356	2.70445	0.0377892	0.22014264	2.7164388	21	—	—
216132 2006 SH_{102}	17.0	X	93.31923	198.75042	189.41683	6.10743	0.0477489	0.22070434	2.7118280	21	—	—
216133 2006 SH_{105}	16.6	X	227.81258	63.20744	202.53240	4.04727	0.0361947	0.22291319	2.6938838	21	—	—
216134 2006 SE_{108}	16.4	X	7.41367	253.30299	79.96740	8.54748	0.1347608	0.26353997	2.4093786	21	10 14.1	18.9
216135 2006 SP_{108}	16.4	X	345.71463	28.77013	202.28539	3.35228	0.1051519	0.23839128	2.5759799	21	3 24.2	19.4
216136 2006 SZ_{108}	17.0	X	171.56061	173.12791	166.01349	1.49857	0.0309423	0.22458236	2.6805194	21	1 14.8	20.8
216137 2006 SO_{110}	15.5	X	309.39938	304.03800	146.69358	15.69771	0.1121554	0.20349403	2.8626501	21	11 30.4	19.3
216138 2006 SJ_{112}	17.2	X	90.66964	89.11070	191.40898	4.00137	0.1810660	0.27308110	2.3529261	21	11 27.4	20.7
216139 2006 SL_{119}	17.2	X	137.99979	229.63697	77.53178	3.70121	0.2159974	0.28469515	2.2884917	21	—	—
216140 2006 ST_{119}	16.7	X	10.42391	150.97381	139.40575	8.10906	0.1238168	0.25647398	2.4534310	21	8 7.1	18.9
216141 2006 SQ_{142}	17.6	X	83.24386	221.54240	51.72369	1.97144	0.1748234	0.27029122	2.3690893	21	11 9.4	21.1
216142 2006 SQ_{147}	17.4	X	283.63480	310.76624	221.64444	1.67725	0.1140986	0.28190936	2.3035433	21	—	—
216143 2006 SY_{172}	16.4	X	81.07707	240.16828	196.44555	4.97773	0.0818606	0.22701894	2.6613050	21	1 27.8	19.7
216144 2006 SE_{219}	16.3	X	96.14343	333.97556	55.56584	4.24606	0.1055787	0.21959020	2.7209930	21	—	—
216145 2006 SY_{261}	16.6	X	49.12740	298.97487	51.81219	2.84145	0.0795030	0.20359040	2.8617466	21	12 13.9	20.4
216146 2006 SU_{262}	16.9	X	196.41843	147.43142	178.95049	1.82006	0.0827522	0.22628007	2.6670952	21	1 29.9	20.8
216147 2006 SE_{275}	16.2	X	75.71923	325.31530	53.45345	3.69961	0.0814225	0.21423256	2.7661712	21	—	—
216148 2006 SO_{280}	16.5	X	38.46288	303.84125	63.37483	6.74261	0.1212739	0.27154102	2.3618143	21	—	—
216149 2006 SW_{280}	16.2	X	185.87462	194.93380	185.64088	16.58518	0.1596799	0.23394489	2.6085170	21	3 28.9	20.2
216150 2006 SL_{285}	15.8	X	146.40845	230.34220	202.79366	26.78116	0.0151054	0.23682343	2.5873366	21	4 10.5	19.2
216151 2006 SV_{288}	16.2	X	152.80869	247.05120	163.09514	15.39863	0.0923427	0.23527950	2.5986432	21	3 30.5	20.0
216152 2006 SU_{290}	15.7	X	215.12661	59.74513	211.92604	12.89886	0.0311920	0.21983884	2.7189409	21	—	—
216153 2006 SD_{300}	15.4	X	244.89005	265.48151	121.03739	8.46579	0.0636453	0.18223164	3.0812022	21	6 12.9	20.0
216154 2006 SS_{318}	16.1	X	248.89982	240.46984	32.17308	15.00821	0.0847491	0.22877675	2.6476554	21	1 23.3	20.3
216155 2006 SY_{318}	16.4	X	23.08342	7.66122	68.72077	4.55144	0.0708798	0.21419824	2.7664667	21	—	—
216156 2006 SF_{323}	18.0	X	64.41673	129.14796	158.91317	4.99876	0.1711903	0.26652069	2.3913809	21	11 8.5	21.3
216157 2006 SM_{327}	16.8	X	352.10331	336.98354	70.36251	3.09785	0.0557826	0.20278892	2.8692820	21	12 5.5	20.4
216158 2006 SD_{328}	17.0	X	22.29523	178.92825	119.64693	3.06254	0.1649473	0.25926641	2.4357827	21	9 19.6	19.3
216159 2006 SA_{333}	16.9	X	165.28132	173.10561	169.42772	5.93685	0.0404711	0.22573141	2.6714151	21	1 11.8	20.7
216160 2006 SK_{334}	16.1	X	33.75993	336.93084	81.24097	3.43850	0.0731340	0.21365684	2.7711381	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216161 2006 SD_{354}	17.0	X	261.34778	51.40817	74.96459	4.37572	0.1262901	0.26558107	2.3970180	21	11 11.3	19.9
216162 2006 SL_{360}	16.3	X	95.28383	295.63817	50.37071	6.93685	0.0157301	0.20922410	2.8101418	21	—	—
216163 2006 SF_{361}	15.7	X	194.40348	36.28960	48.91014	10.27396	0.0700915	0.17739705	3.1369321	21	6 28.4	20.5
216164 2006 SM_{377}	16.9	X	50.13972	149.35606	120.09911	8.54230	0.1872486	0.25915939	2.4364532	21	9 29.9	19.9
216165 2006 SE_{383}	16.9	X	258.90733	148.80704	49.00076	4.14951	0.1283677	0.21697749	2.7427923	21	—	—
216166 2006 SM_{385}	16.0	X	254.31401	132.61167	95.82875	12.56329	0.1160661	0.21875425	2.7279206	21	—	—
216167 2006 SD_{389}	16.1	X	126.65970	37.96013	127.10926	11.48818	0.1566603	0.17806776	3.1290501	21	7 31.6	21.0
216168 2006 SG_{391}	16.2	X	0.91242	4.12260	196.81191	14.45035	0.2279898	0.23769342	2.5810195	21	2 17.1	18.9
216169 2006 SU_{392}	16.6	X	301.91890	308.43797	358.98750	1.55890	0.1160546	0.24405758	2.5359529	21	4 30.1	19.7
216170 2006 SF_{394}	15.6	X	148.66125	49.80817	48.26324	9.01506	0.0400070	0.17209963	3.2009785	21	5 22.6	20.3
216171 2006 SS_{404}	16.9	X	203.95859	184.53382	175.44294	3.68466	0.1368207	0.23360835	2.6110216	21	3 19.9	20.9
216172 2006 ST_{408}	15.7	X	355.69026	332.58627	97.64208	16.25090	0.1153878	0.20411695	2.8568230	21	—	—
216173 2006 TK_{6}	16.1	X	107.90222	344.03408	61.58830	7.04345	0.0221966	0.22314625	2.6920078	21	1 20.2	19.7
216174 2006 TA_{21}	15.6	X	251.98543	3.77403	38.45572	7.33139	0.1175882	0.18133509	3.0913498	21	7 4.4	20.3
216175 2006 TE_{21}	16.1	X	245.12364	226.76867	41.63795	12.11573	0.1550708	0.22512534	2.6762076	21	1 8.5	20.6
216176 2006 TP_{21}	16.2	X	120.70810	162.27253	205.71255	4.61755	0.0698771	0.21845354	2.7304234	21	—	—
216177 2006 TE_{23}	16.6	X	168.77627	205.53483	160.02889	2.23736	0.1011582	0.22753413	2.6572863	21	2 19.1	20.5
216178 2006 TG_{23}	16.2	X	221.02853	133.07589	195.32537	7.24567	0.2102195	0.23320007	2.6140683	21	2 22.2	20.8
216179 2006 TC_{24}	16.5	X	174.80778	286.36655	19.77719	5.09108	0.0630520	0.22206141	2.7007682	21	—	—
216180 2006 TF_{31}	16.3	X	346.75264	209.67414	186.91252	1.63521	0.0137785	0.19916258	2.9040063	21	11 12.4	20.1
216181 2006 TV_{35}	16.3	X	217.19259	63.48404	253.46890	2.77877	0.0906965	0.22804370	2.6533263	21	2 8.0	20.3
216182 2006 TD_{45}	16.1	X	319.24763	280.07124	91.96233	1.94658	0.0954818	0.18783848	3.0195786	21	8 29.7	19.8
216183 2006 TP_{53}	16.0	X	249.02798	77.85571	213.25070	9.17046	0.0899951	0.22783141	2.6549743	21	2 7.2	20.1
216184 2006 TT_{60}	16.7	X	86.61191	179.94291	186.57871	4.74264	0.1162403	0.21241339	2.7819424	21	—	—
216185 2006 TT_{64}	17.5	X	62.85033	171.02589	309.90160	6.07200	0.1147375	0.29814585	2.2191340	21	2 15.8	19.2
216186 2006 TU_{73}	16.8	X	100.73123	177.41757	182.76339	3.42711	0.0999660	0.21421779	2.7662984	21	—	—
216187 2006 TO_{74}	15.9	X	137.83122	232.41903	87.06226	6.81702	0.0531627	0.21432914	2.7653402	21	—	—
216188 2006 TC_{79}	16.5	X	338.38550	74.06890	53.38655	3.26229	0.0324369	0.21109439	2.7935187	21	—	—
216189 2006 TK_{102}	16.9	X	232.92847	323.17208	334.29695	1.65173	0.1288569	0.22896039	2.6462395	21	1 31.3	21.0
216190 2006 TD_{109}	16.0	X	302.32030	194.01337	56.98095	9.41901	0.0649517	0.23332241	2.6131545	21	3 1.1	19.6
216191 2006 TS_{109}	15.9	X	288.29439	238.99876	49.27914	11.67807	0.0791893	0.23771213	2.5808840	21	3 29.3	19.5
216192 2006 TT_{112}	15.8	X	184.41591	33.55855	112.65168	10.97863	0.0782869	0.18698362	3.0287750	21	9 5.5	20.5
216193 2006 TL_{117}	15.5	X	139.04025	3.76144	159.34730	12.95319	0.0720414	0.18215067	3.0821152	21	8 3.3	20.3
216194 2006 UA_{4}	16.7	X	226.57179	46.29651	207.90361	14.26209	0.0651004	0.22199173	2.7013334	21	—	—
216195 2006 UD_{5}	15.4	X	163.58748	242.59725	219.76782	13.53798	0.1765789	0.17468289	3.1693422	21	6 19.4	20.8
216196 2006 UW_{5}	16.2	X	155.43545	314.95207	190.94202	4.08004	0.0690598	0.18111139	3.0938948	21	7 30.9	20.9
216197 2006 UA_{7}	15.8	X	274.80300	256.42833	44.38902	14.49538	0.1142772	0.23684764	2.5871604	21	3 26.0	19.7
216198 2006 UH_{7}	16.2	X	157.62640	215.47512	163.76087	3.34806	0.1279499	0.22765329	2.6563589	21	2 26.6	20.0
216199 2006 UR_{7}	16.4	X	260.17617	156.40676	200.41849	8.90554	0.1462647	0.24348633	2.5399178	21	5 11.1	20.1
216200 2006 UQ_{11}	16.2	X	205.93686	282.90650	40.99989	10.62532	0.0619999	0.22752178	2.6573824	21	2 10.3	20.3
216201 2006 UH_{13}	16.1	X	224.46301	252.92155	87.73122	2.00698	0.1177139	0.23384672	2.6092470	21	3 17.2	20.0
216202 2006 UJ_{13}	16.4	X	208.81142	239.30846	88.35970	1.64798	0.1118444	0.22848399	2.6499166	21	2 14.2	20.6
216203 2006 UQ_{14}	16.7	X	114.54901	51.85879	77.50208	3.73860	0.0674616	0.23702617	2.5858610	21	5 22.3	20.2
216204 2006 UD_{20}	16.5	X	186.84500	293.24489	326.96673	2.77384	0.0538644	0.21269203	2.7795121	21	—	—
216205 2006 UQ_{27}	16.8	X	281.22742	36.26533	222.33327	2.62103	0.1309813	0.23079241	2.6322171	21	1 30.5	20.7
216206 2006 UZ_{44}	15.8	X	113.10300	245.27782	221.49730	12.25058	0.2307219	0.22971186	2.6404652	21	5 12.7	19.7
216207 2006 UN_{45}	16.0	X	111.39659	128.91844	61.84935	10.48484	0.0473703	0.17951981	3.1121544	21	8 8.5	20.6
216208 2006 UC_{58}	16.9	X	256.89975	260.28736	80.17146	4.40200	0.1749719	0.23994940	2.5648163	21	4 14.4	20.9
216209 2006 UA_{61}	15.2	X	104.57227	170.08969	234.63200	28.09195	0.1078690	0.22120564	2.7077294	21	1 16.0	19.4
216210 2006 UO_{65}	17.2	X	284.03123	71.81190	4.81977	4.50758	0.1362308	0.26394917	2.4068878	21	10 4.2	19.6
216211 2006 UV_{68}	16.2	X	161.92805	248.81293	114.84908	5.00069	0.1019839	0.22653438	2.6650987	21	2 10.7	20.1
216212 2006 UC_{73}	15.0	X	14.30536	92.21079	356.15623	9.47865	0.0557656	0.14669094	3.5606874	21	—	—
216213 2006 UT_{79}	16.3	X	282.80934	342.80313	264.54476	3.22837	0.1557782	0.22907971	2.6453205	21	1 16.6	20.1
216214 2006 UE_{91}	15.6	X	104.70658	27.34539	229.27098	10.31921	0.0518050	0.19233951	2.9722845	21	10 18.5	20.0
216215 2006 UG_{92}	17.1	X	261.78123	277.41089	38.79278	12.42164	0.1882832	0.23930712	2.5694035	21	3 22.1	21.2
216216 2006 UR_{93}	16.3	X	237.43726	173.23907	67.65220	4.88280	0.0382618	0.21671458	2.7450102	21	—	—
216217 2006 UD_{94}	16.9	X	271.46576	137.72729	165.93974	3.32117	0.1728262	0.23804749	2.5784595	21	3 12.6	20.8
216218 2006 US_{98}	15.9	X	159.61622	164.70292	85.80183	5.93647	0.1839756	0.20525909	2.8462156	21	12 11.4	20.8
216219 2006 UU_{98}	16.5	X	173.23625	164.68870	172.24729	5.12106	0.1206559	0.22377152	2.6869908	21	1 21.2	20.6
216220 2006 UD_{99}	16.2	X	334.19331	262.36005	179.99004	5.84311	0.0316870	0.20366318	2.8610649	21	12 24.0	20.0
216221 2006 UZ_{103}	16.8	X	289.35570	200.28135	100.65429	2.75490	0.1534514	0.23924240	2.5698668	21	4 1.6	20.3
216222 2006 UG_{108}	15.7	X	176.58028	265.35340	211.07234	9.89472	0.0486512	0.17756007	3.1350117	21	7 15.9	20.5
216223 2006 UC_{132}	15.7	X	325.24795	275.60218	220.70329	16.66837	0.0967219	0.21300539	2.7767854	21	—	—
216224 2006 UR_{143}	16.3	X	213.76020	63.78741	272.57212	4.55609	0.2083472	0.23146596	2.6271082	21	2 25.9	20.8
216225 2006 UC_{155}	16.6	X	126.09710	332.46115	68.89455	3.72427	0.0830908	0.22763788	2.6564788	21	2 15.0	20.2
216226 2006 UN_{162}	16.4	X	230.45095	64.53552	167.87839	4.29666	0.0352426	0.21549990	2.7553155	21	—	—
216227 2006 UQ_{162}	16.0	X	354.73862	349.18036	45.63979	9.09448	0.0636850	0.20111087	2.8852205	21	11 22.6	19.6
216228 2006 UM_{183}	15.7	X	182.92587	191.90285	68.89069	12.57700	0.0539470	0.21268821	2.7795454	21	—	—
216229 2006 UQ_{215}	16.7	X	107.01575	250.61202	141.31977	6.89472	0.0114880	0.22084570	2.7106706	21	—	—
216230 2006 UG_{216}	16.3	X	129.79804	212.54407	173.71621	6.21229	0.0768210	0.22299842	2.6931974	21	1 28.6	20.0
216231 2006 UM_{223}	16.5	X	70.65052	277.20256	133.77470	2.66756	0.0735829	0.21974278	2.7197333	21	—	—
216232 2006 UB_{226}	16.2	X	149.16712	308.66491	22.19045	4.96410	0.1652534	0.22025490	2.7155158	21	—	—
216233 2006 UF_{241}	16.4	X	259.40243	199.21095	124.76692	4.31769	0.1712586	0.23589349	2.5941321	21	3 27.9	20.3
216234 2006 UA_{244}	16.4	X	133.60763	54.44448	182.69121	1.65878	0.0154514	0.19869438	2.9085665	21	10 28.1	20.4
216235 2006 UZ_{266}	16.6	X	225.25781	220.58908	70.22997	4.00439	0.0732022	0.22475378	2.6791563	21	1 18.0	20.5
216236 2006 UV_{274}	17.0	X	328.23559	193.78973	57.58382	2.78800	0.1378875	0.24018878	2.5631119	21	3 21.6	19.9
216237 2006 UZ_{286}	15.6	X	292.79492	218.48757	164.00544	2.25914	0.2202830	0.18545734	3.0453697	21	7 14.2	19.7
216238 2006 UB_{287}	15.6	X	37.92405	53.35298	217.23329	9.56459	0.0219028	0.18206251	3.0831101	21	8 5.9	20.0
216239 2006 UW_{328}	16.4	X	119.85504	143.82167	232.98340	4.01555	0.0486811	0.21908746	2.7251540	21	1 2.1	20.1
216240 2006 VS_{7}	15.6	X	354.74887	296.03756	59.96608	10.93802	0.1078044	0.19109127	2.9852141	21	10 9.8	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216241 Renzopiano	15.4	X	44.85323	329.36839	309.66076	8.38970	0.0437715	0.18616245	3.0376751	21	8 30.2	19.6
216242 2006 VK_{14}	15.8	X	272.93245	193.87930	99.90159	3.48152	0.0959566	0.23345609	2.6121568	21	3 12.5	19.5
216243 2006 VP_{45}	15.1	X	80.58719	308.94851	235.55492	13.97333	0.1552262	0.17244428	3.1967121	21	7 2.8	19.8
216244 2006 VW_{58}	15.3	X	57.39390	7.42161	229.28050	12.86931	0.1458034	0.17816988	3.1278543	21	8 4.0	19.7
216245 2006 VX_{58}	16.3	X	274.06319	211.72447	102.31980	2.69135	0.1742673	0.23757938	2.5818453	21	3 29.5	20.0
216246 2006 VH_{86}	16.0	X	106.13271	322.96298	63.11861	10.79010	0.1023018	0.21877623	2.7277378	21	1 4.4	19.6
216247 2006 VX_{89}	15.2	X	186.58531	254.71294	219.59981	15.40696	0.1107445	0.17682241	3.1437248	21	7 21.3	20.4
216248 2006 VZ_{90}	16.4	X	281.79973	324.40510	331.04028	3.49430	0.1658117	0.23610585	2.5925763	21	3 13.3	20.2
216249 2006 VV_{99}	15.4	X	356.88137	44.39800	234.78612	8.20384	0.0459777	0.17380717	3.1799791	21	6 25.1	19.6
216250 2006 VY_{105}	16.2	X	170.92946	235.52291	57.63351	4.61137	0.0770306	0.21233371	2.7826382	21	—	—
216251 2006 VR_{106}	16.4	X	160.38397	230.16452	142.10855	6.80452	0.0696071	0.22574132	2.6713370	21	2 16.1	20.0
216252 2006 VS_{111}	15.9	X	30.04294	286.97657	36.73256	9.13985	0.0864583	0.19072783	2.9890052	21	10 16.1	19.7
216253 2006 VW_{111}	15.2	X	339.91066	275.24319	38.55690	10.35575	0.0972119	0.17945320	3.1129244	21	7 15.7	19.2
216254 2006 VE_{126}	15.7	X	197.44455	228.68841	226.73619	8.12414	0.1318946	0.17996027	3.1070742	21	7 10.9	20.8
216255 2006 VJ_{146}	15.8	X	81.68881	322.76295	93.54637	9.59483	0.1012224	0.21669067	2.7452121	21	1 8.8	19.0
216256 2006 VU_{147}	16.2	X	302.11754	247.85109	62.37682	16.99221	0.2211847	0.24197658	2.5504716	21	4 24.2	19.7
216257 2006 VR_{154}	15.9	X	247.43587	212.90965	77.59684	15.25476	0.0838422	0.22879193	2.6475383	21	2 13.3	20.1
216258 2006 WH_{1}	20.3	X	238.15747	263.64615	240.36346	2.63223	0.4851117	0.45609792	1.6714651	21	10 3.5	21.8
216259 2006 WY_{9}	16.9	X	177.59458	252.60346	91.67613	5.45357	0.1681380	0.29249648	2.2476169	21	1 29.3	20.1
216260 2006 WG_{13}	16.0	X	171.34344	69.59809	95.64981	8.69217	0.1122406	0.18199521	3.0838701	21	9 15.2	20.9
216261 Mapihsia	15.6	X	346.87131	209.74531	167.07072	6.30082	0.2341397	0.19251895	2.9704374	21	10 25.9	18.3
216262 2006 WR_{16}	16.0	X	284.24022	273.49036	39.34383	6.01021	0.1951925	0.23937598	2.5689107	21	4 5.4	19.8
216263 2006 WL_{43}	15.9	X	336.42177	291.27046	73.28516	10.77271	0.0981941	0.18915143	3.0055893	21	9 21.9	19.8
216264 2006 WU_{44}	16.1	X	25.31073	129.28431	210.79257	10.29603	0.0850968	0.19298053	2.9656989	21	10 29.3	19.9
216265 2006 WD_{60}	17.4	X	120.79109	156.51431	175.23113	5.20932	0.3025741	0.28335697	2.2956911	21	—	—
216266 2006 WL_{60}	15.5	X	233.94986	356.27645	53.04646	12.51555	0.1357307	0.17535318	3.1612606	21	6 20.5	20.5
216267 2006 WU_{72}	16.0	X	62.12458	301.92396	251.09071	3.51582	0.0874923	0.17046687	3.2213857	21	6 11.1	20.3
216268 2006 WY_{77}	15.6	X	111.80337	256.60392	236.73180	5.44024	0.0479355	0.16865855	3.2443707	21	5 24.8	20.3
216269 2006 WP_{81}	16.2	X	332.76896	289.39072	84.76725	6.36225	0.0546801	0.18770729	3.0209854	21	9 27.4	20.2
216270 2006 WQ_{99}	16.9	X	131.42230	183.39289	66.32584	2.64294	0.1671912	0.26230565	2.4169312	21	11 23.9	20.6
216271 2006 WE_{101}	15.9	X	129.10558	246.92979	110.41440	6.83615	0.0729875	0.21581422	2.7526396	21	—	—
216272 2006 WY_{110}	15.4	X	345.76199	308.52584	76.97521	11.76655	0.0870620	0.19213714	2.9743712	21	11 1.7	19.2
216273 2006 WS_{127}	15.6	X	175.55836	85.95942	26.92470	11.07757	0.0466800	0.17930752	3.1146103	21	7 14.6	20.4
216274 2006 WV_{140}	16.3	X	67.22815	254.66725	42.80711	2.61950	0.0955289	0.19445885	2.9506492	21	11 1.4	20.5
216275 2006 WV_{161}	16.6	X	257.04737	223.14224	74.12456	4.95718	0.1347326	0.22985873	2.6393403	21	2 24.9	20.7
216276 2006 WO_{171}	16.4	X	165.96987	209.73282	90.95830	2.23572	0.0961915	0.21144309	2.7904466	21	—	—
216277 2006 WE_{180}	16.1	X	78.12443	203.21067	266.67546	7.73115	0.0559418	0.22325038	2.6911707	21	3 2.9	19.7
216278 2006 WS_{191}	15.6	X	303.10859	297.73747	74.76167	9.81758	0.0491104	0.18228264	3.0806274	21	8 13.9	19.9
216279 2006 WM_{202}	15.7	X	157.42941	297.29804	251.75507	4.53314	0.1235458	0.18284152	3.0743467	21	9 24.4	20.6
216280 2006 XM_{11}	17.2	X	76.53783	16.09749	314.58040	2.60124	0.1293789	0.27053432	2.3676698	21	—	—
216281 2006 XD_{21}	15.3	X	324.16014	244.81081	103.62580	10.62840	0.1191151	0.17655897	3.1468511	21	8 3.1	19.3
216282 2006 XP_{23}	15.7	X	351.27951	239.91331	102.13496	12.22787	0.0330397	0.18473009	3.0533573	21	9 13.9	20.0
216283 2006 XF_{26}	15.8	X	340.04930	272.47107	119.55038	7.60690	0.1105808	0.19243244	2.9713275	21	10 31.8	19.4
216284 2006 XD_{36}	16.3	X	171.42472	239.17541	128.55012	12.44311	0.1936940	0.22634174	2.6666107	21	3 5.4	20.7
216285 2006 XR_{53}	15.2	X	298.23423	329.79737	78.46108	13.93899	0.1236045	0.18482444	3.0523180	21	9 17.8	19.4
216286 2006 YF_{46}	14.9	X	132.87972	81.95885	115.28790	17.91587	0.0779952	0.17369197	3.1813849	21	9 15.0	20.0
216287 2007 AE	15.3	X	329.49446	288.25863	74.69180	11.54814	0.0419544	0.18021630	3.1041308	21	9 10.8	19.6
216288 2007 AG_{5}	15.5	X	110.19541	120.36277	108.33981	12.38936	0.0369405	0.17894632	3.1188001	21	9 24.6	20.2
216289 2007 BG_{5}	15.5	X	188.88416	312.42092	86.09661	22.88525	0.0478406	0.22688465	2.6623551	21	5 2.2	19.7
216290 2007 EM_{132}	17.2	X	265.06054	272.76097	5.96253	2.76585	0.1184739	0.27382465	2.3486647	21	2 3.5	20.6
216291 2007 EO_{149}	13.3	X	325.72063	140.23246	149.89884	9.75306	0.0615603	0.08269484	5.2177561	21	5 31.6	20.1
216292 2007 EM_{195}	13.5	X	317.75016	133.23016	156.78154	2.48602	0.0379160	0.08215273	5.2406847	21	5 22.7	20.3
216293 2007 GP_{11}	13.4	X	76.88776	58.46397	115.48307	9.82127	0.0422708	0.08279790	5.2134256	21	6 5.0	20.3
216294 2007 KM_{4}	16.7	X	85.11636	328.20196	318.36692	1.39828	0.1747014	0.23258236	2.6186947	21	11 22.3	20.5
216295 Menorca	15.7	X	113.96149	199.02514	140.97541	13.65457	0.1937129	0.17405685	3.1769372	21	—	—
216296 2007 LR_{22}	15.8	X	356.93087	235.98685	112.62323	6.36042	0.1514115	0.22613594	2.6682283	21	10 10.3	18.6
216297 2007 MP_{2}	15.9	X	203.51197	211.08513	182.31801	16.14496	0.2108258	0.20356990	2.8619388	21	5 3.1	20.9
216298 2007 RK_{37}	16.6	X	291.51453	221.21373	190.26170	3.41643	0.2110320	0.27625707	2.3348579	21	8 28.2	18.8
216299 2007 RO_{86}	17.4	X	217.78753	339.76318	175.10164	22.47864	0.0476348	0.35961828	1.9584307	21	11 22.8	20.0
216300 2007 RS_{123}	15.3	X	135.41425	73.17927	340.44957	24.88735	0.2601606	0.17559877	3.1583123	21	3 26.0	20.8
216301 2007 RC_{137}	17.1	X	242.74504	58.88330	5.42813	7.13863	0.1177218	0.27381134	2.3487408	21	7 25.6	20.3
216302 2007 RJ_{149}	14.9	X	101.77025	324.01172	351.35445	9.38469	0.0279770	0.15616132	3.4152335	21	12 17.2	20.0
216303 2007 RE_{220}	15.9	X	162.60862	259.08691	220.51663	4.09450	0.0457211	0.19549368	2.9402273	21	7 5.5	20.1
216304 2007 SV_{7}	16.7	X	215.66770	331.42848	173.29436	6.23189	0.1899199	0.27988093	2.3146599	21	10 2.6	20.2
216305 2007 TY_{13}	17.5	X	166.05551	77.37001	201.26636	20.80454	0.0602732	0.37224827	1.9138780	21	—	—
216306 2007 TZ_{56}	16.3	X	278.83629	341.13074	13.52839	1.48075	0.1048267	0.19268442	2.9687365	21	6 6.7	20.3
216307 2007 TM_{92}	13.5	X	16.04996	7.37827	18.26324	4.41087	0.0921947	0.08170030	5.2600146	21	11 20.0	20.1
216308 2007 TA_{103}	17.3	X	143.25720	344.09574	203.58395	7.35318	0.1004759	0.27185977	2.3599678	21	9 15.1	20.7
216309 2007 TZ_{121}	17.4	X	233.66271	291.68001	143.29173	1.66091	0.1656289	0.26862256	2.3788902	21	7 21.4	20.9
216310 2007 TJ_{125}	17.9	X	35.89904	47.14029	64.27310	4.51487	0.0583514	0.30944349	2.1647869	21	—	—
216311 2007 TZ_{139}	16.1	X	321.10555	227.27508	229.02072	23.24664	0.1826307	0.28870133	2.2672715	21	—	—
216312 2007 TT_{149}	15.7	X	67.77732	248.94304	232.92543	11.77815	0.2016914	0.23695852	2.5863532	21	3 20.6	18.6
216313 2007 TL_{157}	16.9	X	28.03105	30.83970	259.74400	4.19029	0.1142994	0.27781152	2.3261402	21	9 8.1	19.3
216314 2007 TP_{187}	16.3	X	334.22484	359.27567	52.09422	25.40028	0.1747258	0.28482117	2.2878166	21	12 6.0	18.3
216315 2007 TJ_{196}	17.4	X	287.20988	98.09632	55.02547	6.12263	0.0654359	0.29438326	2.2380029	21	—	—
216316 2007 TD_{231}	16.9	X	110.20454	24.39355	190.43747	6.44608	0.0640132	0.27152930	2.3618823	21	9 10.8	20.1
216317 2007 TK_{234}	17.4	X	170.89635	36.78779	121.05803	2.07620	0.1008140	0.26957390	2.3732901	21	9 8.1	20.8
216318 2007 TB_{241}	16.7	X	58.33495	254.23681	184.94903	12.60496	0.1530024	0.23471890	2.6027793	21	—	—
216319 2007 TY_{286}	15.8	X	133.33444	299.44288	54.59506	15.91455	0.0976944	0.23314281	2.6144963	21	—	—
216320 2007 TN_{353}	15.4	X	111.95153	298.47198	115.14666	5.51886	0.1348406	0.16965539	3.2316497	21	3 1.7	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216321 2007 TN_{363}	15.7	X	256.53963	119.12417	216.37317	4.85553	0.0313862	0.17929777	3.1147233	21	4 26.8	19.9
216322 2007 UN_{22}	17.5	X	202.34792	44.54797	203.33638	6.66271	0.0905809	0.29861276	2.2168202	21	—	—
216323 2007 UF_{48}	15.5	X	186.97415	332.71724	67.16063	7.29681	0.0817664	0.17888457	3.1195178	21	4 27.2	20.2
216324 2007 UN_{98}	17.0	X	227.19074	179.19873	58.41030	3.74146	0.1410028	0.29897801	2.2150144	21	—	—
216325 2007 UH_{100}	17.2	X	221.96916	83.69508	50.24720	5.46587	0.0827078	0.27448315	2.3449068	21	10 8.6	20.2
216326 2007 UP_{123}	17.2	X	302.30717	148.45005	35.71480	4.81436	0.0991120	0.30226967	2.1989043	21	—	—
216327 2007 UP_{129}	15.8	X	91.75610	35.88661	64.22432	10.01011	0.1341848	0.17085038	3.2165631	21	4 5.4	20.4
216328 2007 VG_{8}	17.0	X	125.74923	235.10649	62.08205	22.92537	0.0784443	0.36615387	1.9350564	21	—	—
216329 2007 VB_{9}	16.7	X	240.00730	346.71995	88.73378	7.43158	0.1072105	0.26824535	2.3811198	21	8 7.5	19.9
216330 2007 VT_{94}	17.4	X	213.00563	31.61232	50.83632	2.87756	0.1826594	0.26325188	2.4111361	21	7 9.3	21.1
216331 Panjunhua	17.0	X	332.02953	6.18142	46.84595	3.74505	0.1326421	0.28295990	2.2978383	21	12 5.2	18.8
216332 2007 VN_{133}	15.2	X	184.59270	134.79262	289.68258	9.28697	0.1810533	0.18390533	3.0624793	21	5 22.1	20.4
216333 2007 VR_{146}	16.3	X	279.65070	308.03488	278.25751	1.73766	0.0049099	0.22554091	2.6729192	21	1 5.1	20.0
216334 2007 VG_{193}	16.1	X	4.00368	355.45871	109.03358	3.57852	0.0265792	0.21867194	2.7286050	21	—	—
216335 2007 VK_{235}	17.1	X	198.09510	328.28147	211.11609	2.45944	0.1098132	0.27747198	2.3280375	21	11 5.2	20.2
216336 2007 VO_{305}	15.5	X	68.65406	114.92137	141.48851	10.40721	0.1152967	0.18023050	3.1039677	21	9 16.3	19.8
216337 2007 VQ_{307}	16.7	X	13.42529	44.91591	14.58715	3.27560	0.0811055	0.21368392	2.7709040	21	—	—
216338 2007 WD_{21}	16.6	X	189.45743	278.96257	139.55612	7.58223	0.0210466	0.24312766	2.5424151	21	5 19.6	20.1
216339 2007 WT_{27}	16.6	X	200.72000	100.06728	48.44396	8.14938	0.0537886	0.27162449	2.3613305	21	10 6.0	19.7
216340 2007 WO_{35}	17.1	X	216.40304	36.09585	36.90495	5.46327	0.0623208	0.26140896	2.4224551	21	7 9.3	20.4
216341 2007 WF_{49}	15.9	X	172.89582	288.41729	189.54491	3.51884	0.1414700	0.18765103	3.0215892	21	7 16.2	20.7
216342 2007 WD_{55}	17.0	X	273.25957	350.13091	89.39498	3.50626	0.1881160	0.27345589	2.3507757	21	9 15.8	19.6
216343 Wenchang	16.2	X	20.11347	255.97101	219.22703	14.32343	0.1775268	0.22899247	2.6459923	21	—	—
216344 2007 XZ_{1}	17.5	X	116.95826	78.01424	69.11401	2.64967	0.1611620	0.25368237	2.4713971	21	6 29.8	21.0
216345 Savigliano	16.4	X	325.39338	88.83471	89.54761	4.08632	0.0858291	0.23260539	2.6185218	21	—	—
216346 2007 XH_{23}	14.9	X	139.94817	30.71105	116.21014	17.99859	0.1657081	0.17662486	3.1460684	21	7 22.7	20.0
216347 2007 YM_{7}	16.1	X	273.50312	150.85449	115.17112	12.49172	0.1352457	0.22983582	2.6395156	21	2 1.9	20.1
216348 2007 YX_{15}	16.6	X	57.91767	10.91904	78.00623	13.04170	0.1532079	0.23063509	2.6334139	21	1 15.2	19.4
216349 2007 YJ_{35}	17.6	X	325.04770	41.30730	347.07885	1.62920	0.0396836	0.27003504	2.3705874	21	10 12.7	20.4
216350 2007 YJ_{44}	16.0	X	127.93437	213.79369	110.33577	9.47311	0.1648515	0.21406875	2.7675822	21	—	—
216351 2007 YV_{46}	15.6	X	192.27741	130.48191	120.26653	15.10535	0.0277023	0.21015910	2.8018007	21	—	—
216352 2007 YB_{53}	16.6	X	274.97097	62.45193	135.47291	3.25352	0.0346430	0.21736058	2.7395687	21	—	—
216353 2007 YO_{53}	15.1	X	136.29369	51.07820	111.59642	16.35392	0.1053132	0.17935928	3.1140110	21	8 4.5	19.9
216354 2007 YA_{64}	16.2	X	281.27523	161.38144	116.16400	4.34258	0.1445228	0.23335380	2.6129201	21	2 23.1	20.1
216355 2007 YX_{64}	15.9	X	96.83857	112.39423	138.84004	7.91061	0.0849869	0.18804669	3.0173493	21	10 10.7	20.4
216356 2008 AG_{6}	17.3	X	198.66414	116.09967	91.28063	5.49837	0.0872794	0.28414694	2.2914342	21	12 16.2	20.2
216357 2008 AB_{13}	16.3	X	303.85572	118.67878	134.19235	11.69305	0.0429073	0.23454808	2.6040429	21	3 5.9	19.8
216358 2008 AT_{17}	16.8	X	102.64979	260.42857	138.00403	6.88710	0.0286527	0.22287480	2.6941932	21	1 3.7	20.4
216359 2008 AX_{24}	16.5	X	165.62834	189.97887	49.37002	2.71307	0.0401233	0.20052942	2.8907951	21	12 6.8	20.7
216360 2008 AV_{66}	16.1	X	61.44542	160.06149	86.17955	1.86975	0.1206842	0.17944612	3.1130063	21	8 24.1	20.2
216361 2008 AQ_{68}	16.0	X	163.42268	227.52979	115.05282	8.26130	0.0943890	0.22252378	2.6970257	21	1 16.8	19.7
216362 2008 AL_{83}	16.1	X	65.80434	352.79373	98.80379	10.36054	0.0831606	0.22868006	2.6484016	21	1 27.1	19.2
216363 2008 AF_{85}	16.6	X	227.86919	124.36352	106.52302	4.66471	0.0413715	0.21319100	2.7751735	21	—	—
216364 2008 AC_{87}	16.3	X	6.99710	340.97067	73.59759	1.61560	0.0621374	0.21096830	2.7946317	21	—	—
216365 2008 AS_{88}	17.4	X	327.47357	151.40435	182.57175	0.71154	0.0312839	0.25757187	2.4464542	21	7 29.0	20.2
216366 2008 AP_{95}	16.3	X	118.62502	260.51528	117.67948	7.09378	0.0486353	0.22307925	2.6925468	21	1 1.6	19.9
216367 2008 AE_{101}	16.3	X	242.72191	44.07267	179.87789	5.99450	0.0098412	0.21388360	2.7691792	21	—	—
216368 2008 AS_{101}	16.0	X	82.62382	72.38514	180.39262	2.78939	0.0505604	0.19065992	2.9897149	21	9 18.4	20.2
216369 2008 AC_{112}	16.3	X	254.14013	109.30148	116.46936	4.21384	0.0169657	0.21853096	2.7297785	21	—	—
216370 2008 AU_{117}	16.3	X	56.26972	262.67646	14.22892	1.31652	0.0760827	0.18438160	3.0572034	21	9 18.8	20.4
216371 2008 AB_{118}	16.5	X	57.85040	229.50180	166.55904	6.06868	0.0480953	0.21040819	2.7995891	21	—	—
216372 2008 BW_{10}	17.4	X	58.43212	281.08650	121.95610	5.68420	0.1549516	0.29421867	2.2388374	21	—	—
216373 2008 BZ_{15}	15.6	X	124.55044	18.02776	131.18850	5.99991	0.1345247	0.17485538	3.1672576	21	7 7.7	20.4
216374 2008 BB_{16}	15.8	X	132.10222	83.24918	135.43557	11.09136	0.1084713	0.18960734	3.0007694	21	10 11.8	20.6
216375 2008 BL_{20}	16.4	X	135.37414	236.06984	124.19812	3.67668	0.0405156	0.22158730	2.7046193	21	—	—
216376 2008 BP_{20}	16.0	X	230.41272	141.18135	123.28522	7.31589	0.0260554	0.22016338	2.7162682	21	—	—
216377 2008 BE_{27}	16.4	X	79.93599	66.29602	219.17274	1.05257	0.0843156	0.19507273	2.9444556	21	10 31.1	20.7
216378 2008 BL_{35}	15.2	X	241.64399	65.96962	343.23684	14.56417	0.0816961	0.17549212	3.1595918	21	7 8.1	20.1
216379 2008 BV_{35}	15.2	X	337.91264	174.43635	133.69041	3.55985	0.0985230	0.17104548	3.2141167	21	7 2.6	19.3
216380 2008 BH_{40}	15.6	X	51.69263	216.00380	109.24371	13.15193	0.0534748	0.19733487	2.9219100	21	11 15.5	19.8
216381 2008 BF_{41}	16.3	X	335.09122	306.39327	145.01641	3.57403	0.1573222	0.20872035	2.8146616	21	—	—
216382 2008 BW_{43}	17.3	X	230.11331	322.26281	180.26782	6.48409	0.1066819	0.26876823	2.3780306	21	10 25.8	20.3
216383 2008 BC_{48}	15.9	X	56.40863	81.88824	142.07154	2.21773	0.0930567	0.17387086	3.1792024	21	7 13.8	20.2
216384 2008 BR_{48}	16.4	X	2.59492	233.60020	95.96487	2.66407	0.0634903	0.18848730	3.0126452	21	9 10.9	20.3
216385 2008 BX_{49}	16.7	X	150.77569	303.96823	45.99092	4.76533	0.1176387	0.22569425	2.6717084	21	1 14.8	20.6
216386 2008 CY_{35}	15.7	X	159.08427	306.18312	178.07146	17.66725	0.1522311	0.17727345	3.1383900	21	7 10.3	21.1
216387 2008 CQ_{59}	15.9	X	35.98530	135.15763	164.02900	7.63123	0.2926580	0.18197213	3.0841309	21	10 23.4	19.7
216388 2008 CU_{75}	16.0	X	273.05829	32.94328	96.54000	7.02552	0.0152049	0.20221385	2.8747193	21	12 4.8	19.9
216389 2008 CE_{124}	16.5	X	178.95995	224.84973	151.95448	14.19071	0.1037085	0.23319843	2.6140805	21	3 17.4	20.5
216390 Binnig	15.6	X	359.14302	215.80055	97.46372	6.07017	0.1305441	0.17652134	3.1472982	21	8 16.1	19.3
216391 2008 CR_{179}	16.4	X	39.07476	268.71779	164.15821	12.01224	0.1670589	0.21864400	2.7288375	21	—	—
216392 2008 CT_{187}	15.3	X	107.29058	0.05576	231.22991	7.94645	0.0950734	0.18491185	3.0513560	21	9 22.7	20.0
216393 2008 CW_{196}	16.7	X	214.74658	109.24741	174.77243	2.33518	0.1398073	0.21768343	2.7368593	21	—	—
216394 2008 DB_{3}	15.6	X	131.70276	337.96175	178.24060	10.06970	0.0092482	0.17615274	3.1516873	21	7 11.1	20.2
216395 2008 DQ_{7}	15.5	X	42.00035	326.56913	316.26989	8.37688	0.0480058	0.18545957	3.0453454	21	9 1.1	19.7
216396 2008 DF_{65}	14.8	X	10.71857	178.32418	93.38532	13.90852	0.1641677	0.17247358	3.1963500	21	7 10.5	18.4
216397 2008 EP_{5}	15.7	X	237.98294	316.37291	150.34680	10.69869	0.0901183	0.18570857	3.0426226	21	9 12.1	20.2
216398 2008 EP_{22}	15.1	X	82.08643	235.35557	50.01605	10.38297	0.0636631	0.19136383	2.9823788	21	10 31.6	19.4
216399 2008 EU_{52}	16.7	X	283.79366	15.81369	133.12227	7.78166	0.0429743	0.27468485	2.3437588	21	—	—
216400 2008 EX_{88}	15.0	X	145.02033	71.09244	67.69327	9.79313	0.0359010	0.17348576	3.1839054	21	7 9.5	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216401 2008 EK_{90}	17.5	X	246.75547	270.19433	343.53363	1.25886	0.1989224	0.28346614	2.2951016	21	—	—
216402 2008 ET_{96}	16.7	X	46.41173	206.71862	169.08339	2.16602	0.0762089	0.20409072	2.8570678	21	—	—
216403 2008 ER_{105}	15.6	X	327.96534	231.20021	138.83371	11.84733	0.0904021	0.18357802	3.0661184	21	9 11.3	19.5
216404 2008 EY_{108}	16.5	X	99.13908	163.95562	157.30890	2.38560	0.0637942	0.20337152	2.8637997	21	—	—
216405 2008 ER_{132}	16.2	X	11.95491	137.30952	201.21033	8.53939	0.0430932	0.18774273	3.0206052	21	10 2.4	20.3
216406 2008 ES_{142}	16.9	X	171.82873	81.80855	149.97116	5.34393	0.1579554	0.26599896	2.3945069	21	12 9.7	20.7
216407 2008 FP_{19}	15.5	X	333.23366	203.39445	129.50308	5.18993	0.1060316	0.17265823	3.1940708	21	7 27.7	19.3
216408 2008 FT_{73}	14.5	X	308.49188	326.52510	151.92598	6.37868	0.1795693	0.12604090	3.9396869	21	12 6.1	19.4
216409 2008 GM_{84}	13.4	X	310.44480	162.46657	142.28666	5.85499	0.0354662	0.08548948	5.1034156	21	5 31.4	20.1
216410 2008 QG_{18}	16.5	X	196.35406	7.15941	324.12411	13.22850	0.2576972	0.26762088	2.3848225	21	2 6.5	20.5
216411 2008 RR_{51}	14.3	X	256.30970	117.01880	182.28654	15.01929	0.1390691	0.12490992	3.9634321	21	3 7.4	20.2
216412 2008 RF_{54}	15.8	X	238.24171	86.60867	276.29588	4.45244	0.0655691	0.20850654	2.8165854	21	5 2.2	20.0
216413 2008 RR_{68}	14.9	X	149.29416	268.28706	24.37676	12.35004	0.1219125	0.17314028	3.1881395	21	—	—
216414 2008 RE_{94}	16.0	X	156.77758	333.44342	3.01597	2.68704	0.1268892	0.18199286	3.0838966	21	1 13.3	20.8
216415 2008 SF_{61}	15.4	X	136.45619	142.01276	187.06553	12.37784	0.2073551	0.17819435	3.1275680	21	—	—
216416 2008 SD_{92}	16.7	X	28.87863	345.00169	335.82167	1.44573	0.2111852	0.23019790	2.6367471	21	11 2.5	19.6
216417 2008 SD_{100}	15.0	X	109.23778	334.90070	34.00638	16.80751	0.0890978	0.17564861	3.1577148	21	—	—
216418 2008 SQ_{106}	15.8	X	145.85271	274.68233	41.57710	4.48606	0.1116520	0.17241628	3.1970581	21	—	—
216419 2008 SJ_{172}	12.7	X	319.41539	116.07636	318.64425	9.25278	0.1293846	0.08121982	5.2807389	21	10 24.2	19.2
216420 2008 SJ_{272}	16.4	X	134.07366	86.23092	223.30141	2.35313	0.0354764	0.24108536	2.5567533	21	—	—
216421 2008 TD_{3}	13.0	X	31.26176	130.20013	239.11334	7.67893	0.1356443	0.08444298	5.1454934	21	11 27.4	19.4
216422 2008 TJ_{6}	17.5	X	312.58428	326.04210	50.58728	5.18572	0.1625233	0.29738692	2.2229079	21	8 29.9	19.3
216423 2008 TZ_{135}	13.2	X	29.66604	19.69563	18.38960	7.86513	0.0454859	0.08347556	5.1851720	21	12 16.8	20.0
216424 2008 TZ_{172}	15.9	X	36.60255	337.35643	99.88632	13.07192	0.1454652	0.23358458	2.6111988	21	—	—
216425 2008 UE_{90}	16.9	X	82.29298	114.00915	220.02804	15.74195	0.1908632	0.24066146	2.5597547	21	—	—
216426 2008 WC_{44}	16.0	X	304.32225	339.58697	54.98283	7.07300	0.0425191	0.21602124	2.7508806	21	9 17.7	19.6
216427 2008 WT_{94}	15.5	X	1.50156	144.94553	279.48921	21.31315	0.0944549	0.23221678	2.6214424	21	—	—
216428 Mauricio	16.7	X	285.46668	291.91573	149.45696	3.32894	0.1502493	0.21916062	2.7245474	21	10 5.9	19.9
216429 2009 BK_{23}	16.6	X	336.79903	265.84002	341.16583	9.38042	0.1802221	0.25241753	2.4796461	21	3 16.9	19.4
216430 2009 BX_{75}	17.2	X	90.25171	322.58582	152.82480	1.40419	0.1540494	0.25518988	2.4616544	21	4 12.0	20.1
216431 2009 BH_{125}	15.8	X	321.05280	328.90917	317.64475	3.99814	0.1193706	0.17663158	3.1459886	21	5 4.6	20.0
216432 2009 CT_{37}	15.7	X	236.53258	60.95900	346.53175	8.11889	0.1330482	0.19010384	2.9955423	21	6 22.0	20.4
216433 Milianleo	16.5	X	228.02909	200.39770	12.03661	3.34789	0.1317777	0.21713255	2.7414864	21	—	—
216434 2009 DZ_{46}	15.2	X	29.43988	261.28949	339.52302	8.03023	0.0664484	0.18247233	3.0784920	21	6 23.9	19.3
216435 2009 DT_{58}	16.9	X	71.44930	167.39276	113.49618	3.29036	0.1983224	0.27576218	2.3376505	21	11 11.2	20.3
216436 2009 DR_{69}	16.4	X	105.59881	221.75696	340.99749	1.44613	0.0510991	0.19106901	2.9854459	21	8 14.3	20.4
216437 2009 DW_{117}	16.4	X	171.97455	284.11757	312.05853	2.45555	0.0521369	0.21277289	2.7788079	21	12 11.7	20.5
216438 2009 DT_{121}	16.9	X	2.59120	213.71731	50.59055	1.90648	0.0998024	0.25788295	2.4444864	21	6 10.7	19.3
216439 Lyubertsy	16.1	X	317.32117	165.39035	324.45691	11.29068	0.0622455	0.22270845	2.6955347	21	—	—
216440 2009 EU_{4}	17.2	X	87.07175	309.67836	206.75599	0.55733	0.1223500	0.25632070	2.4544090	21	5 29.8	20.1
216441 2009 EO_{20}	17.4	X	151.41261	87.62316	82.65760	2.48048	0.1237022	0.27273611	2.3549099	21	9 4.6	20.8
216442 2009 FG_{4}	16.8	X	138.91263	159.80217	55.04373	22.71253	0.0591474	0.35641466	1.9701487	21	11 2.8	19.1
216443 2009 FS_{20}	15.9	X	79.65363	323.49733	47.71066	7.31965	0.1047591	0.22067082	2.7121026	21	—	—
216444 2009 FX_{30}	17.3	X	202.74972	5.40937	128.17030	0.95555	0.1527810	0.27699372	2.3307164	21	9 7.1	20.7
216445 2009 FK_{34}	17.4	X	97.95053	164.49239	48.85990	3.34028	0.1415557	0.26869712	2.3784501	21	9 5.7	20.6
216446 2009 FA_{45}	15.3	X	183.62279	306.48017	147.58237	12.84689	0.1350810	0.18550999	3.0447936	21	6 27.8	20.3
216447 2009 FC_{45}	16.9	X	111.58002	358.60013	214.71166	2.56504	0.1423845	0.26739261	2.3861795	21	9 18.1	20.4
216448 2009 FQ_{55}	16.9	X	60.70107	163.09515	51.81049	5.61290	0.1429280	0.25616409	2.4554092	21	7 18.3	19.7
216449 2009 GG_{1}	16.0	X	64.44069	174.82086	72.79782	2.12061	0.1422986	0.17854731	3.1234449	21	9 2.4	20.3
216450 2009 HH_{3}	16.6	X	118.11886	192.85705	46.14722	8.78451	0.0750152	0.27427972	2.3460662	21	10 26.8	19.7
216451 Irsha	17.0	X	152.67708	44.39617	138.36256	5.98809	0.1655913	0.27231667	2.3573274	21	9 23.5	20.7
216452 2009 HU_{12}	17.0	X	97.36155	72.64542	175.24367	1.08189	0.1548744	0.26992694	2.3712203	21	10 20.7	20.5
216453 2009 HE_{24}	15.8	X	311.87870	256.62808	140.85674	9.54148	0.0958269	0.19059543	2.9903893	21	9 23.3	19.6
216454 2009 HX_{24}	16.7	X	344.54307	63.44272	164.93057	0.80982	0.0612861	0.23997930	2.5646033	21	3 24.3	19.8
216455 2009 HG_{32}	16.6	X	351.85325	13.74706	140.61931	5.27422	0.1767423	0.23111281	2.6297838	21	—	—
216456 2009 HF_{34}	16.3	X	305.08271	163.08432	138.55740	4.09179	0.0553010	0.24669626	2.5178373	21	5 8.3	19.4
216457 2009 HG_{57}	16.8	X	75.39978	246.67073	45.19052	5.80709	0.1666801	0.27345188	2.3507987	21	11 23.9	20.0
216458 2009 HG_{59}	16.1	X	291.20655	109.58395	172.21801	6.98085	0.2017629	0.23648644	2.5897940	21	3 2.2	19.9
216459 2009 HY_{62}	16.5	X	89.54231	154.59762	112.89814	7.13967	0.1035713	0.27116762	2.3639820	21	11 4.4	19.8
216460 1250 T–2	16.1	X	320.20620	108.13800	177.38567	5.55464	0.1731697	0.24191613	2.5508965	21	4 19.7	19.0
216461 2025 T–2	15.4	X	41.05913	73.39061	323.80166	3.53876	0.0976899	0.16900457	3.2399409	21	—	—
216462 Polyphontes	12.7	X	342.01093	160.27625	260.66540	9.97218	0.1081109	0.08268373	5.2182233	21	11 13.6	19.1
216463 1849 T–3	14.8	X	331.20691	99.85812	235.11353	14.99248	0.0448395	0.17574113	3.1566065	21	7 26.7	19.3
216464 1974 PB	17.3	X	98.46149	190.80530	146.28267	6.58506	0.3430461	0.27933554	2.3176717	21	—	—
216465 1995 VV_{10}	17.3	X	22.14038	265.78678	64.02543	7.78942	0.1446589	0.26559239	2.3969500	21	11 2.7	19.8
216466 1996 AP_{8}	15.2	X	87.64882	19.76331	284.32843	8.45913	0.0230213	0.18423124	3.0588665	21	11 21.2	19.7
216467 1996 MZ	16.4	X	293.73236	140.08500	112.32051	9.88726	0.1164800	0.22938352	2.6429842	21	2 10.2	20.1
216468 1996 XZ_{23}	16.9	X	250.33449	235.79323	241.16819	2.99853	0.0445349	0.27392929	2.3480666	21	10 26.3	19.6
216469 1997 CV_{3}	17.3	X	84.79203	119.08819	114.55985	3.10593	0.1376212	0.26182735	2.4198737	21	9 16.2	20.5
216470 1997 UG_{18}	16.2	X	158.82571	247.24839	65.84374	5.97228	0.0575385	0.21648855	2.7469206	21	—	—
216471 1997 WK_{12}	17.0	X	36.28154	197.57957	237.81856	5.76077	0.1215603	0.29896538	2.2150768	21	—	—
216472 1999 JQ_{108}	14.9	X	2.78128	112.55569	52.46869	27.14436	0.2195898	0.17320017	3.1874044	21	2 4.8	19.0
216473 1999 RM_{67}	15.4	X	1.79346	160.71584	181.55786	10.30124	0.1929329	0.18063192	3.0993673	21	10 2.8	18.7
216474 1999 RT_{79}	17.3	X	181.62679	29.35648	290.40421	4.41244	0.1549282	0.29114259	2.2545795	21	—	—
216475 1999 RD_{110}	15.1	X	29.59473	110.61343	221.19703	14.27925	0.2428091	0.18163507	3.0879452	21	11 14.6	18.8
216476 1999 SC_{22}	16.1	X	301.40632	76.18144	334.88228	5.75289	0.1629183	0.22279315	2.6948514	21	9 16.2	19.0
216477 1999 TD_{25}	17.2	X	45.20983	140.56845	283.76388	1.34362	0.2008537	0.28137370	2.3064659	21	—	—
216478 1999 TP_{207}	15.1	X	318.93712	126.10524	299.09351	15.45790	0.0712636	0.18108369	3.0942103	21	10 31.3	19.5
216479 1999 TF_{237}	16.6	X	117.04096	256.06009	103.84221	5.65539	0.1839819	0.28402967	2.2920649	21	—	—
216480 1999 UH_{25}	14.7	X	61.82713	87.68755	248.22247	10.00273	0.1486093	0.18411053	3.0602035	21	12 16.6	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216481 1999 VB_{33}	15.0	X	77.75314	102.29256	240.01297	10.27462	0.2393466	0.18518978	3.0483023	21	—	—
216482 1999 VZ_{45}	16.8	X	110.82654	119.13930	244.17269	19.67045	0.1147376	0.37644813	1.8996166	21	—	—
216483 1999 VQ_{46}	17.1	X	300.66962	256.55664	235.56591	20.43708	0.0631576	0.36635533	1.9343469	21	—	—
216484 1999 VE_{85}	17.4	X	74.63541	119.50970	196.83035	0.83908	0.2004075	0.27402908	2.3474965	21	12 27.7	20.9
216485 1999 VB_{122}	17.0	X	298.76268	314.12813	71.80322	5.30689	0.0538327	0.26209980	2.4181965	21	8 30.3	19.8
216486 1999 VT_{123}	17.5	X	24.75063	212.15954	154.28226	1.45327	0.1938914	0.27229898	2.3574295	21	—	—
216487 1999 VA_{182}	14.8	X	63.14509	39.06958	235.76888	15.33830	0.1910778	0.17469503	3.1691954	21	10 6.5	19.5
216488 1999 VV_{186}	15.4	X	15.93276	182.80727	203.09357	9.25189	0.1989421	0.18194130	3.0844793	21	12 24.4	19.3
216489 1999 VE_{202}	16.5	X	132.13770	83.29059	274.33790	5.12267	0.1998282	0.28659940	2.2783435	21	—	—
216490 1999 XG_{10}	14.9	X	40.10133	93.40326	276.29922	9.48121	0.2138358	0.18387944	3.0627669	21	—	—
216491 1999 XT_{14}	17.0	X	224.88476	240.87248	241.56284	19.39925	0.1015463	0.35329108	1.9817442	21	9 21.9	19.9
216492 1999 XU_{141}	15.3	X	335.90649	84.27922	98.42246	28.65377	0.3525143	0.23020822	2.6366683	21	—	—
216493 1999 YY_{15}	15.2	X	104.54034	73.13608	239.39315	12.94221	0.1919807	0.18389576	3.0625856	21	—	—
216494 2000 AH_{51}	14.4	X	17.95166	167.09486	242.88477	21.57824	0.1637358	0.18584481	3.0411354	21	—	—
216495 2000 AJ_{201}	16.8	X	122.26889	291.47137	131.60106	24.96678	0.0711672	0.37781570	1.8950298	21	2 5.7	18.1
216496 2000 AQ_{212}	16.5	X	71.29550	249.32944	76.46081	13.11935	0.2040811	0.27331718	2.3515710	21	—	—
216497 2000 AY_{221}	15.8	X	342.83348	275.24448	310.91055	6.24791	0.1743212	0.23898158	2.5717363	21	3 1.2	18.6
216498 2000 BH_{1}	17.1	X	50.01391	277.97358	115.83273	3.19069	0.2155051	0.27500046	2.3419652	21	—	—
216499 2000 CJ_{22}	16.1	X	45.13838	10.77664	142.24028	8.99792	0.1270180	0.23754038	2.5821279	21	3 21.7	18.8
216500 2000 DD_{118}	16.1	X	353.42292	89.64578	149.11051	12.52327	0.1314643	0.23991378	2.5650702	21	4 20.1	19.0
216501 2000 EP_{203}	16.2	X	340.25992	52.21409	265.58530	7.60770	0.2370931	0.24589725	2.5232887	21	7 8.7	18.0
216502 2000 GC_{41}	16.0	X	261.39384	139.36258	17.98908	9.31799	0.0853677	0.21468538	2.7622803	21	12 16.3	19.7
216503 2000 HR_{34}	16.3	X	318.10750	44.35402	221.76270	8.04707	0.1743194	0.23190414	2.6237979	21	3 17.8	19.6
216504 2000 HF_{59}	15.7	X	215.14890	113.58721	222.94263	12.38277	0.1817642	0.22690499	2.6621960	21	2 25.4	20.3
216505 2000 JY_{9}	15.9	X	252.63785	164.61954	117.19838	12.88197	0.1729008	0.22411360	2.6842559	21	1 29.6	20.2
216506 2000 RF_{81}	15.4	X	225.43677	26.85462	291.38937	14.20137	0.2767619	0.21678433	2.7444213	21	2 11.9	20.5
216507 2000 RL_{97}	15.2	X	134.53616	123.75694	268.22204	11.93850	0.2108661	0.21070329	2.7969745	21	2 23.7	19.8
216508 2000 RJ_{106}	17.0	X	69.74080	177.37272	242.43873	6.03403	0.1435058	0.30061655	2.2069583	21	—	—
216509 2000 SA_{87}	16.7	X	35.17244	325.20953	51.53604	8.68971	0.1449592	0.28917541	2.2647928	21	—	—
216510 2000 SG_{106}	15.4	X	339.11501	184.56631	194.79353	10.36390	0.0782754	0.18769038	3.0211669	21	10 9.6	19.2
216511 2000 SB_{127}	15.3	X	38.99061	143.98991	196.83038	10.20885	0.1184383	0.19109749	2.9851493	21	11 23.3	19.3
216512 2000 SS_{289}	17.1	X	105.05931	151.65016	245.09533	3.47142	0.1586134	0.30145524	2.2028630	21	1 2.4	19.1
216513 2000 ST_{332}	15.5	X	207.42340	265.26561	185.83851	16.89535	0.1921871	0.17852213	3.1237385	21	7 11.7	21.0
216514 2000 UN_{48}	16.8	X	1.24028	346.92552	46.86937	5.02586	0.1175726	0.28453792	2.2893346	21	12 28.8	19.2
216515 2000 VF_{45}	17.3	X	157.55992	291.21077	66.66940	5.16466	0.1494469	0.30239121	2.1983151	21	1 22.0	20.2
216516 2000 WQ_{21}	16.4	X	347.61646	175.81899	237.07753	5.79535	0.1067417	0.28419503	2.2911757	21	12 31.3	18.8
216517 2000 WF_{127}	17.0	X	250.55856	50.08704	62.12766	3.63294	0.1293148	0.27770913	2.3267119	21	10 9.2	19.8
216518 2000 YZ_{48}	14.7	X	128.77067	5.91093	287.34836	14.28732	0.0287125	0.18591897	3.0403267	21	12 28.1	19.1
216519 2001 FP_{24}	16.9	X	58.68902	358.11111	218.00072	8.24595	0.3278861	0.25357554	2.4720912	21	8 13.0	20.2
216520 2001 FA_{75}	16.9	X	310.89805	192.50164	61.29022	3.54296	0.0912021	0.29271550	2.2464956	21	2 26.8	19.5
216521 2001 FX_{109}	16.1	X	65.89302	199.71798	31.51174	5.03808	0.1586622	0.25602737	2.4562833	21	8 22.8	19.2
216522 2001 HQ_{6}	15.9	X	48.59998	216.15187	85.45868	5.56026	0.0482779	0.21174039	2.7878340	21	10 12.1	19.7
216523 2001 HY_{7}	20.6	X	175.92137	211.29204	205.09758	5.21077	0.4120710	1.12822458	0.9138446	21	—	—
216524 2001 HM_{20}	16.4	X	53.37987	103.82940	185.35892	9.28465	0.2635955	0.25684282	2.4510816	21	11 8.4	19.8
216525 2001 MY_{20}	15.5	X	352.25497	97.04765	150.65601	11.80732	0.2339183	0.24123825	2.5556729	21	4 18.7	17.9
216526 2001 NZ_{19}	15.4	X	236.51366	97.47730	236.78186	13.92930	0.1088739	0.23252646	2.6191144	21	3 15.5	19.7
216527 2001 OD_{6}	15.9	X	270.02488	148.89507	174.12172	10.62144	0.1977698	0.23500358	2.6006769	21	4 3.3	19.9
216528 2001 OQ_{66}	17.0	X	178.44907	70.69707	226.03311	20.36728	0.0569435	0.36636463	1.9343142	21	—	—
216529 2001 OH_{84}	15.8	X	286.66668	230.51974	106.92952	6.26153	0.3433281	0.23872790	2.5735579	21	4 22.7	19.8
216530 2001 OF_{111}	15.9	X	12.37516	215.27809	154.20482	13.28516	0.1133409	0.20194752	2.8772463	21	11 25.3	19.7
216531 2001 QA_{135}	16.6	X	334.78477	109.21531	215.51880	10.71144	0.3409316	0.24263845	2.5458314	21	6 17.4	18.4
216532 2001 QW_{193}	15.8	X	277.00146	81.36406	272.76649	9.16833	0.2625983	0.23704996	2.5856881	21	5 9.2	19.8
216533 2001 QU_{195}	15.5	X	287.07364	106.35331	247.59066	12.43790	0.2128393	0.23853127	2.5749719	21	5 29.4	18.8
216534 2001 QP_{225}	16.0	X	175.00863	145.04667	202.52529	13.90794	0.1322083	0.22268345	2.6957364	21	2 2.8	20.5
216535 2001 QB_{261}	15.9	X	209.82569	151.84972	197.02855	12.07524	0.1396963	0.22680244	2.6629984	21	3 10.4	20.2
216536 2001 QZ_{272}	16.1	X	223.54011	206.45467	125.50897	12.46861	0.1319131	0.22931914	2.6434789	21	3 7.9	20.4
216537 2001 QL_{292}	16.3	X	282.42332	349.50108	297.89682	12.35177	0.2779695	0.23287777	2.6164796	21	2 17.4	20.6
216538 2001 RS_{128}	15.8	X	192.88451	232.68866	88.77373	3.34172	0.0859419	0.22168868	2.7037946	21	1 22.0	19.8
216539 2001 RX_{148}	16.7	X	305.66754	241.14143	113.53262	13.68311	0.1974684	0.24299505	2.5433401	21	6 30.0	19.6
216540 2001 SO_{4}	16.2	X	225.99689	140.26851	190.15185	10.95900	0.1896872	0.22806695	2.6531460	21	3 1.5	20.7
216541 2001 SN_{29}	16.3	X	239.62140	113.24765	184.38078	12.82292	0.1750122	0.22508823	2.6765017	21	2 2.6	20.9
216542 2001 SF_{38}	15.7	X	280.61964	307.78480	21.75236	14.12699	0.2105947	0.23432554	2.6056913	21	4 18.7	19.4
216543 2001 SK_{116}	17.4	X	73.40278	79.86279	186.59211	22.71895	0.0724531	0.34640610	2.0079167	21	10 18.9	19.6
216544 2001 SP_{120}	16.9	X	310.47532	47.94089	261.50687	1.98467	0.2049199	0.23785265	2.5798674	21	5 1.4	20.0
216545 2001 ST_{235}	16.3	X	160.62493	136.77913	194.87910	10.73654	0.1155717	0.21608702	2.7503224	21	1 2.6	20.6
216546 2001 SH_{292}	16.1	X	216.49997	112.36559	281.37657	6.61980	0.0549123	0.23411567	2.6072483	21	5 16.0	19.8
216547 2001 SS_{305}	16.0	X	223.28407	39.79234	232.53127	4.80487	0.1006746	0.21774928	2.7363075	21	—	—
216548 2001 TP_{115}	15.4	X	217.11877	104.93293	247.59197	12.96170	0.0758357	0.22354995	2.6887659	21	3 20.1	19.7
216549 2001 TZ_{126}	16.8	X	167.10106	124.31153	209.93476	4.19682	0.1630953	0.21676499	2.7445846	21	1 16.5	21.1
216550 2001 TK_{172}	15.7	X	141.01730	253.47096	54.85289	14.18342	0.0539980	0.21080418	2.7960820	21	—	—
216551 2001 TA_{184}	13.5	X	293.88234	117.28740	223.83363	8.72156	0.0669148	0.08636481	5.0688739	21	6 17.3	20.2
216552 2001 UD_{29}	15.6	X	95.13325	302.93535	69.54957	5.39804	0.0819166	0.21131888	2.7915399	21	—	—
216553 2001 UY_{165}	16.4	X	179.63017	228.61582	121.85862	6.52553	0.1556616	0.27052276	2.3677373	21	2 10.2	19.9
216554 2001 UJ_{173}	15.8	X	288.75720	49.54082	206.96309	11.38920	0.0661811	0.22132579	2.7067493	21	2 12.2	19.8
216555 2001 VM_{11}	15.8	X	106.06725	159.36223	288.67857	8.20444	0.1619140	0.21914376	2.7246872	21	3 28.1	19.7
216556 2001 VF_{16}	19.1	X	120.23818	327.76616	275.33891	9.33109	0.0652442	0.59678528	1.3971959	21	—	—
216557 2001 VC_{21}	15.6	X	114.70631	120.83518	237.16381	5.77884	0.1402906	0.21060001	2.7978888	21	—	—
216558 2001 VF_{47}	15.5	X	162.97357	142.89157	272.22918	6.58577	0.2842317	0.22116297	2.7080776	21	4 24.1	20.4
216559 2001 VB_{69}	15.9	X	261.90528	78.39154	226.95547	16.35515	0.0971417	0.22463271	2.6801189	21	3 8.0	20.1
216560 2001 WP_{47}	14.9	X	84.62762	57.70155	76.44864	17.60326	0.1206588	0.17242067	3.1970039	21	5 7.2	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216561 2001 WT_{97}	16.2	X	193.51250	92.03219	271.61424	1.30836	0.0927913	0.22107994	2.7087556	21	3 14.2	20.4
216562 2001 XF_{2}	16.4	X	95.56258	47.77465	287.90123	17.06880	0.0720367	0.35374603	1.9800447	21	—	—
216563 2001 XS_{29}	14.8	X	218.06985	120.84766	253.32861	11.74141	0.2822477	0.22529358	2.6748751	21	4 12.6	19.8
216564 2001 XX_{227}	16.0	X	155.12354	69.13430	295.74730	5.09881	0.0521959	0.21434821	2.7651762	21	1 31.2	19.9
216565 2001 YO_{28}	15.7	X	227.39068	58.42114	66.26264	9.36000	0.0594441	0.18983088	2.9984132	21	9 29.8	20.1
216566 2001 YB_{51}	15.1	X	32.43389	280.37056	78.28343	13.04905	0.0686137	0.19500284	2.9451591	21	11 30.2	19.1
216567 2002 AU_{28}	15.1	X	226.37706	330.01673	117.19343	25.65516	0.2649233	0.17950127	3.1123687	21	7 20.6	20.4
216568 2002 AQ_{159}	17.0	X	325.75178	8.63297	195.91407	2.28088	0.0415489	0.30891886	2.1672371	21	1 11.6	19.4
216569 2002 AO_{170}	15.2	X	3.72573	262.07205	106.16004	11.42428	0.1235591	0.18941887	3.0027595	21	11 9.8	19.0
216570 2002 CW_{54}	16.8	X	125.25087	146.04304	263.24020	2.34341	0.1408274	0.31041087	2.1602869	21	2 15.3	19.1
216571 2002 CS_{76}	17.8	X	290.72491	58.43031	109.54315	1.06426	0.1665240	0.29775490	2.2210761	21	—	—
216572 2002 CC_{137}	14.8	X	59.75675	114.79708	147.90839	22.90373	0.0311756	0.17887542	3.1196241	21	8 29.9	19.1
216573 2002 CJ_{253}	15.4	X	22.31122	44.90438	233.52893	8.15581	0.0435156	0.17573080	3.1567302	21	7 28.2	19.7
216574 2002 CX_{258}	15.4	X	235.54152	149.92905	277.50276	13.88089	0.0303378	0.22601950	2.6691446	21	7 25.5	19.1
216575 2002 CE_{279}	17.5	X	309.83147	270.77019	219.93286	5.23426	0.0911150	0.29668103	2.2264325	21	—	—
216576 2002 DY_{10}	14.7	X	223.41172	7.56674	51.90649	18.67964	0.2626696	0.17765483	3.1338969	21	6 12.9	20.3
216577 2002 DO_{11}	16.7	X	99.88367	343.71924	126.06789	3.08052	0.1482741	0.26325404	2.4111229	21	4 17.2	19.6
216578 2002 EB_{144}	17.3	X	83.05878	331.71899	76.35952	1.67720	0.0411795	0.30230603	2.1987280	21	—	—
216579 2002 FU_{29}	15.3	X	177.64660	94.06346	120.09134	17.86608	0.0552715	0.18622567	3.0369876	21	11 22.7	20.1
216580 2002 GH_{38}	17.0	X	200.23038	100.44374	189.10760	6.61135	0.2286766	0.29472023	2.2362967	21	—	—
216581 2002 GX_{82}	16.6	X	12.56018	7.99261	65.40029	6.95118	0.0515791	0.29119273	2.2543207	21	—	—
216582 2002 GE_{112}	17.0	X	271.42761	143.09484	94.54713	4.28788	0.1147950	0.29817649	2.2189820	21	—	—
216583 2002 GW_{131}	16.1	X	34.33951	125.35747	218.43857	5.04853	0.2178834	0.27878665	2.3207128	21	12 22.4	19.0
216584 2002 HQ_{3}	14.7	X	134.18919	170.30749	69.71283	12.25397	0.1243121	0.17679508	3.1440488	21	11 6.1	19.7
216585 2002 JS_{19}	17.0	X	313.90922	81.13555	120.37224	5.82105	0.0973060	0.29897162	2.2150459	21	—	—
216586 2002 KU_{4}	16.8	X	121.70352	29.50039	231.51585	6.32251	0.1126752	0.27697091	2.3308444	21	11 29.5	20.2
216587 2002 LD_{23}	16.9	X	173.75322	124.36793	166.21945	5.27756	0.2677631	0.28518293	2.2858814	21	—	—
216588 2002 LM_{26}	17.1	X	158.25220	15.91488	237.89622	4.85488	0.1538179	0.28120042	2.3074134	21	12 25.8	20.6
216589 2002 LB_{29}	16.5	X	148.51236	165.46445	145.00438	6.83640	0.2324873	0.28197601	2.3031803	21	—	—
216590 2002 LC_{47}	16.7	X	197.77985	98.17351	138.45895	9.29743	0.1369810	0.28571128	2.2830625	21	—	—
216591 Coetzee	16.6	X	327.44667	136.36319	231.47051	3.74016	0.1858396	0.26247094	2.4159164	21	9 5.3	18.5
216592 2002 OW_{7}	17.4	X	76.22926	173.53554	132.89900	8.45351	0.2353745	0.27097785	2.3650856	21	12 20.1	21.2
216593 2002 OF_{17}	17.4	X	145.23095	112.46634	190.47535	5.93817	0.2761573	0.28046316	2.3114553	21	—	—
216594 2002 OP_{21}	17.3	X	66.16322	92.20623	226.75426	4.11474	0.1820494	0.27099100	2.3650090	21	12 20.3	20.8
216595 2002 PB_{8}	17.6	X	76.60674	105.78718	285.99384	1.61787	0.3053137	0.27858896	2.3218105	21	—	—
216596 2002 PE_{105}	17.2	X	133.71459	100.05200	210.27674	5.12717	0.2488396	0.27875246	2.3209026	21	—	—
216597 2002 PR_{127}	17.0	X	305.73039	289.89874	64.69202	3.73489	0.1929945	0.25606311	2.4560547	21	6 30.5	19.6
216598 2002 PO_{137}	17.0	X	330.04869	214.47497	149.36571	2.68136	0.2178090	0.26004643	2.4309095	21	9 4.7	18.4
216599 2002 PC_{158}	16.8	X	340.19320	212.48850	138.07749	7.73215	0.0681211	0.26177352	2.4202055	21	9 13.3	19.4
216600 2002 QW_{13}	17.2	X	78.45590	75.26497	229.78558	4.00176	0.2358582	0.27034108	2.3687979	21	12 19.8	21.0
216601 2002 RN_{7}	15.1	X	93.10386	43.66336	328.50550	23.51870	0.2104545	0.17439872	3.1727842	21	—	—
216602 2002 RQ_{19}	16.4	X	20.38079	147.64491	164.91445	13.97233	0.1479978	0.25996902	2.4313920	21	10 5.9	18.9
216603 2002 RX_{39}	15.4	X	150.84614	188.44742	131.97312	2.83160	0.1100876	0.17688982	3.1429260	21	—	—
216604 2002 TA_{1}	16.8	X	12.90552	204.92667	108.71042	3.45811	0.1794588	0.25898448	2.4375501	21	9 27.1	18.9
216605 2002 TJ_{8}	16.9	X	25.75009	125.42724	196.59988	4.16775	0.1913184	0.26162490	2.4211219	21	11 3.2	19.3
216606 2002 TO_{8}	16.9	X	339.00966	130.51714	204.03973	2.70794	0.1710785	0.25581447	2.4576459	21	8 9.4	19.0
216607 2002 TY_{99}	16.3	X	170.23679	169.56861	221.65016	11.99499	0.1814540	0.23943173	2.5685119	21	3 25.2	20.6
216608 2002 TB_{109}	16.1	X	338.70845	260.58131	98.82702	12.12410	0.2740305	0.25830740	2.4418078	21	9 29.8	17.7
216609 2002 TU_{178}	16.1	X	235.94619	107.73905	221.26499	27.15064	0.1172051	0.23782627	2.5800582	21	3 5.6	20.7
216610 2002 TC_{217}	17.0	X	292.85932	260.03017	111.13609	3.80046	0.1972444	0.25268229	2.4779137	21	7 3.0	20.0
216611 2002 TA_{223}	16.0	X	164.17124	242.84935	94.90320	8.05980	0.1438536	0.28155240	2.3054899	21	1 5.6	19.2
216612 2002 TB_{271}	16.4	X	352.81859	120.23534	212.93070	13.84576	0.1802615	0.25722253	2.4486688	21	9 5.4	18.7
216613 2002 TU_{281}	13.6	X	163.03452	107.06092	242.06623	9.47334	0.3162279	0.12530206	3.9551587	21	2 15.2	20.5
216614 2002 TR_{376}	17.1	X	8.74388	48.19968	239.17044	5.60300	0.1164120	0.25570281	2.4583613	21	7 27.5	19.6
216615 2002 UK_{46}	14.6	X	154.60560	216.88022	134.83994	9.53259	0.2669015	0.12415965	3.9793829	21	2 14.6	21.2
216616 2002 VK_{11}	16.0	X	202.57987	129.19470	232.58115	12.59000	0.1121884	0.23528886	2.5985743	21	3 15.8	20.3
216617 2002 VO_{72}	16.9	X	47.49274	238.76403	110.15035	3.26480	0.2397891	0.26565808	2.3965548	21	—	—
216618 2002 VW_{84}	15.5	X	110.30535	299.70614	107.06115	11.73802	0.2559577	0.22413138	2.6841139	21	3 1.9	19.4
216619 2002 VM_{128}	16.2	X	11.44225	13.23507	97.44632	5.37180	0.1141272	0.21846919	2.7302929	21	—	—
216620 2002 VP_{133}	15.2	X	254.74811	93.15735	238.74360	26.52653	0.1002698	0.23671285	2.5881424	21	3 31.9	19.5
216621 2002 VD_{136}	16.6	X	259.77655	111.47689	246.51322	6.60263	0.1521269	0.24421038	2.5348949	21	5 9.6	20.2
216622 2002 WQ_{7}	17.1	X	329.94791	266.33028	75.45570	4.67221	0.1994293	0.30456194	2.1878571	21	8 3.6	18.4
216623 2002 WZ_{27}	17.0	X	298.28726	226.32385	107.37136	1.85915	0.1889770	0.24638463	2.5199599	21	5 20.5	20.1
216624 Kaufer	15.7	X	249.81804	127.23827	307.40254	8.39773	0.1100703	0.24621946	2.5210868	21	8 14.3	19.0
216625 2002 XA_{77}	15.3	X	318.89641	120.29380	277.83426	12.24884	0.1642785	0.25501508	2.4627792	21	9 29.4	18.0
216626 2002 YP_{9}	16.2	X	92.23534	150.57199	250.46472	4.07950	0.1200393	0.21945031	2.7221491	21	1 5.7	19.6
216627 2002 YM_{27}	16.0	X	201.23315	152.45293	290.16877	3.87804	0.2027873	0.24045683	2.5612068	21	6 27.7	20.2
216628 2002 YX_{30}	15.9	X	67.57839	317.74214	103.62028	14.72565	0.1580810	0.21773893	2.7363942	21	—	—
216629 2003 AT_{6}	15.7	X	283.75366	229.09274	87.19975	5.05995	0.1391897	0.23964088	2.5670172	21	4 17.7	19.2
216630 2003 AX_{38}	15.5	X	221.52816	289.38223	124.25288	31.55457	0.1019840	0.23813871	2.5778010	21	6 21.2	19.8
216631 2003 BN_{24}	15.6	X	285.46896	269.57876	294.38518	23.62912	0.1237006	0.21051713	2.7986232	21	—	—
216632 2003 BX_{27}	15.2	X	151.15507	337.69618	228.01789	9.65251	0.2064510	0.19142160	2.9817788	21	10 10.7	20.4
216633 2003 BH_{46}	17.1	X	45.26682	260.32799	157.98491	24.05490	0.0801022	0.37189131	1.9151025	21	—	—
216634 2003 EB_{40}	15.6	X	88.14022	103.47098	106.80862	17.29338	0.1745191	0.17804421	3.1293260	21	8 21.9	20.4
216635 2003 FH_{3}	15.1	X	104.88826	75.78979	104.73515	26.70468	0.2204740	0.17712527	3.1401401	21	8 5.7	20.2
216636 2003 FK_{96}	15.2	X	122.16446	152.15752	100.49331	16.44581	0.0791032	0.19096670	2.9865121	21	11 11.7	20.0
216637 2003 FV_{131}	15.7	X	169.95223	86.10555	93.77569	8.61685	0.0467393	0.18712988	3.0271965	21	10 3.1	20.3
216638 2003 GX_{8}	15.3	X	51.12996	56.73696	197.47949	16.05997	0.1805719	0.17555387	3.1588508	21	8 24.1	19.6
216639 2003 GK_{21}	17.0	X	295.18641	345.36637	66.13493	6.74014	0.2702749	0.34938696	1.9964798	21	9 8.8	18.0
216640 2003 GN_{42}	15.4	X	83.52453	105.79310	113.05357	17.27649	0.1831697	0.17730329	3.1380379	21	8 28.8	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216641 2003 GS_{42}	15.7	X	71.50852	83.60234	130.82322	20.15552	0.1860454	0.17583045	3.1555373	21	8 5.5	19.9
216642 2003 GE_{48}	15.2	X	23.56958	156.22313	170.90872	9.82213	0.1699414	0.18273815	3.0755059	21	10 21.4	19.0
216643 2003 KW_{9}	15.1	X	27.37870	32.99338	237.26688	16.18624	0.2005947	0.17210406	3.2009236	21	8 5.9	19.1
216644 2003 QY_{17}	17.4	X	202.91503	226.45760	79.16353	1.47494	0.2042864	0.30404697	2.1903269	21	1 3.9	20.8
216645 2003 QD_{42}	16.7	X	34.43165	175.86902	179.21791	9.87989	0.2409804	0.28109224	2.3080054	21	—	—
216646 2003 QT_{56}	17.1	X	292.95152	160.30192	135.03222	7.54865	0.2459305	0.31655276	2.1322526	21	3 8.2	20.0
216647 2003 QZ_{103}	16.7	X	64.96170	303.16854	35.57819	4.63718	0.1528922	0.28500840	2.2868145	21	—	—
216648 2003 SY_{206}	16.3	X	51.51825	37.48086	6.80458	4.58916	0.0476508	0.23483286	2.6019372	21	—	—
216649 2003 SA_{208}	15.3	X	266.74221	100.04720	31.69302	12.62757	0.1359253	0.22188406	2.7022072	21	11 13.5	18.7
216650 2003 TE_{11}	16.7	X	49.16522	316.80890	71.41676	7.02116	0.1585718	0.28564555	2.2834127	21	—	—
216651 2003 TB_{49}	16.7	X	163.69263	294.79759	303.20878	5.86911	0.1879602	0.28084207	2.3093758	21	12 9.6	20.5
216652 2003 UG_{15}	17.6	X	235.08017	261.15382	18.10479	7.67192	0.2519585	0.30216237	2.1994249	21	—	—
216653 2003 UJ_{20}	17.2	X	222.03295	55.15088	257.97334	5.33291	0.2420050	0.30425020	2.1893514	21	1 28.1	20.9
216654 2003 UT_{117}	17.0	X	173.24406	129.03490	200.78800	5.48053	0.2261070	0.29775974	2.2210520	21	1 9.1	20.4
216655 2003 UA_{142}	17.0	X	127.54533	241.18169	113.17060	6.97455	0.1356087	0.29535241	2.2331044	21	—	—
216656 2003 UM_{155}	17.3	X	318.28673	355.57714	71.89429	5.03972	0.1124763	0.27736840	2.3286170	21	11 28.6	19.4
216657 2003 UL_{202}	16.8	X	15.89032	324.22828	60.09714	7.35638	0.1246849	0.27923192	2.3182451	21	—	—
216658 2003 UE_{315}	17.9	X	259.60128	207.53039	121.45348	0.36009	0.2170188	0.31076824	2.1586304	21	3 21.5	21.1
216659 2003 UP_{368}	16.7	X	205.25289	117.45140	84.96914	7.77879	0.0435136	0.28128514	2.3069500	21	12 22.9	19.3
216660 2003 WO_{138}	16.8	X	105.97050	282.57132	71.87773	6.46727	0.2553013	0.28846905	2.2684884	21	—	—
216661 2003 XM_{11}	17.1	X	210.33368	219.96283	228.99970	5.92056	0.1451602	0.25892035	2.4379526	21	7 15.8	20.8
216662 2003 XN_{41}	16.7	X	150.89817	100.08744	234.14536	6.02846	0.2320295	0.29200587	2.2501337	21	—	—
216663 2003 YB_{36}	16.1	X	2.77093	289.90026	224.72694	8.16396	0.2189598	0.23017420	2.6369281	21	—	—
216664 2003 YZ_{51}	16.5	X	22.38320	15.01560	95.37981	15.31814	0.2310192	0.22934024	2.6433168	21	—	—
216665 2003 YT_{87}	15.7	X	63.97828	28.58635	109.12982	22.92430	0.1090702	0.23808376	2.5781976	21	4 9.6	19.3
216666 2004 AX_{20}	16.5	X	349.07611	148.76066	108.36025	8.38009	0.1800922	0.24351307	2.5397318	21	5 2.6	19.0
216667 2004 BD_{16}	16.3	X	73.93001	34.89904	80.50576	5.78322	0.1807368	0.23521649	2.5991073	21	3 27.5	19.2
216668 2004 BJ_{38}	16.0	X	317.91063	43.66560	131.17656	14.10797	0.1910070	0.22306312	2.6926766	21	—	—
216669 2004 BH_{42}	16.4	X	33.05002	20.18374	127.93215	11.99996	0.1063262	0.23181174	2.6244951	21	2 20.5	19.3
216670 2004 BK_{52}	16.1	X	28.08322	91.76519	108.80518	4.43793	0.1108053	0.24209242	2.5496580	21	4 26.6	18.7
216671 2004 BC_{57}	16.1	X	63.70247	148.38742	109.58902	8.85993	0.1199862	0.25258311	2.4785624	21	9 21.6	19.4
216672 2004 BL_{72}	16.8	X	264.64900	238.94011	242.55236	3.49591	0.1493486	0.26664604	2.3906314	21	11 4.6	19.4
216673 2004 BL_{87}	16.4	X	26.69380	346.27667	153.63571	14.45174	0.1955852	0.23139877	2.6276167	21	1 22.2	19.0
216674 2004 BK_{106}	16.4	X	111.87353	330.46203	119.37708	13.34681	0.2373950	0.23977168	2.5660835	21	4 25.5	20.4
216675 2004 BV_{108}	15.8	X	220.45004	162.87753	12.18746	8.83732	0.0856651	0.20918944	2.8104523	21	11 15.2	19.9
216676 2004 CV_{1}	16.0	X	44.95486	23.99884	96.47902	14.10359	0.1471101	0.23130125	2.6283553	21	2 5.2	18.8
216677 2004 DK_{6}	16.2	X	276.12948	129.16122	152.63085	16.95895	0.1726431	0.23051872	2.6343001	21	2 18.9	20.1
216678 2004 DD_{46}	16.7	X	7.61621	335.72047	171.69496	12.58299	0.1201203	0.22771211	2.6559015	21	1 4.8	20.1
216679 2004 DC_{47}	15.8	X	352.13423	341.37436	179.99872	12.55994	0.0868553	0.22586414	2.6703685	21	1 3.9	19.4
216680 2004 EC_{17}	15.6	X	235.06660	89.57082	154.55025	16.09163	0.1946494	0.21499754	2.7596058	21	—	—
216681 2004 EX_{93}	16.3	X	3.21655	33.12139	61.25892	3.07584	0.1796009	0.21858026	2.7293680	21	—	—
216682 2004 FN_{137}	16.3	X	324.08739	87.88171	143.28028	23.97837	0.2448228	0.22733601	2.6588299	21	1 31.5	19.9
216683 2004 GT_{3}	16.1	X	263.38073	4.53147	200.75601	11.41892	0.0500167	0.21418160	2.7666100	21	—	—
216684 2004 GF_{5}	15.5	X	181.12483	208.78719	89.46705	9.06446	0.2006647	0.21068523	2.7971344	21	—	—
216685 2004 GM_{45}	16.6	X	284.97133	348.19347	217.82741	4.20959	0.0573890	0.21899443	2.7259256	21	—	—
216686 2004 GW_{57}	16.7	X	113.10022	235.11673	139.25690	2.55592	0.0907389	0.21644229	2.7473119	21	—	—
216687 2004 GB_{61}	16.1	X	272.16075	97.44972	201.49659	10.68824	0.1791542	0.22512829	2.6761842	21	3 5.7	20.4
216688 2004 GA_{82}	16.1	X	298.50083	66.84119	80.92241	9.75137	0.1013404	0.21111259	2.7933582	21	—	—
216689 2004 HM_{1}	16.9	X	227.78723	159.67425	151.93902	4.16047	0.5301578	0.21394556	2.7686445	21	2 5.9	22.7
216690 2004 HM_{11}	16.1	X	190.09612	98.66813	187.19939	7.44133	0.2008326	0.21053171	2.7984939	21	—	—
216691 2004 HM_{30}	15.3	X	150.96175	310.93619	216.22917	8.45004	0.0818488	0.18806208	3.0171846	21	8 20.3	20.0
216692 2004 HW_{50}	15.3	X	248.59210	205.39481	60.39434	28.21016	0.1763300	0.21821902	2.7323793	21	1 6.1	20.2
216693 2004 NM_{7}	15.9	X	76.96719	164.95254	140.43082	11.91349	0.2272127	0.18745689	3.0236750	21	12 7.9	20.8
216694 2004 OO_{5}	17.0	X	73.59554	279.68333	87.84671	22.56323	0.0848312	0.36850199	1.9268274	21	—	—
216695 2004 QY_{4}	17.1	X	155.22925	114.09999	165.95585	22.92064	0.0530352	0.36743584	1.9305529	21	—	—
216696 2004 QB_{7}	15.2	X	27.50097	258.50227	107.74015	10.60775	0.1037398	0.18455320	3.0553080	21	12 6.2	19.3
216697 2004 QX_{17}	15.2	X	68.96519	42.69029	295.08398	12.39575	0.2872159	0.18268651	3.0760854	21	—	—
216698 2004 RW_{142}	14.6	X	81.63833	352.43767	246.38436	13.42666	0.1821176	0.17339058	3.1850705	21	9 9.8	19.6
216699 2004 RC_{154}	15.1	X	104.78341	322.41790	300.94763	12.28469	0.0427533	0.17903303	3.1177929	21	10 19.9	19.9
216700 2004 RH_{155}	15.8	X	9.87034	120.14067	176.74638	14.85884	0.1906859	0.17149043	3.2085548	21	8 12.1	19.5
216701 2004 RW_{162}	15.1	X	26.01312	53.04630	293.71704	9.90793	0.1134483	0.17764349	3.1340302	21	11 5.1	19.3
216702 2004 RO_{174}	16.6	X	44.90340	339.78269	261.90102	6.21886	0.0684861	0.28599388	2.2815582	21	7 18.6	19.0
216703 2004 RD_{175}	15.1	X	28.43442	72.81324	285.46887	9.23212	0.0384504	0.18266939	3.0762777	21	11 15.7	19.4
216704 2004 RQ_{210}	14.7	X	15.08736	100.37449	262.94306	12.65100	0.0609417	0.17982220	3.1086644	21	11 5.9	19.0
216705 2004 RU_{252}	17.2	X	169.29495	3.45101	226.72807	19.46303	0.0459705	0.36223012	1.9490052	21	12 28.8	19.7
216706 2004 TU_{240}	15.1	X	85.50254	31.96196	283.89165	9.39471	0.2617637	0.18320618	3.0702658	21	12 28.1	20.2
216707 2004 XP_{164}	17.5	X	71.84771	310.65313	126.83581	22.69360	0.4125163	0.30674159	2.1774805	21	2 12.2	17.6
216708 2004 YZ_{19}	17.6	X	183.89243	123.03294	265.00352	1.03674	0.1218863	0.31716208	2.1295207	21	3 25.9	20.6
216709 2005 AH_{60}	17.6	X	359.39924	118.75230	350.14791	0.15779	0.1058373	0.29800988	2.2198090	21	—	—
216710 2005 CC_{14}	17.5	X	219.09295	76.32502	91.24690	3.24951	0.1093920	0.28078028	2.3097146	21	11 15.4	20.4
216711 2005 CD_{51}	17.4	X	151.82739	2.46619	209.27282	1.83972	0.1733114	0.27338308	2.3511931	21	10 27.6	21.1
216712 2005 EN_{1}	17.1	X	166.22932	132.14439	96.00494	1.23684	0.1298035	0.27736616	2.3286295	21	12 2.4	20.3
216713 2005 EX_{7}	17.0	X	106.82495	310.47095	170.89691	7.18114	0.1329436	0.25157813	2.4851587	21	5 11.7	20.3
216714 2005 EQ_{26}	17.5	X	185.76283	350.30961	185.64224	1.39887	0.1265328	0.27377626	2.3489414	21	10 16.5	20.8
216715 2005 EN_{31}	17.4	X	137.13968	179.65621	359.36403	0.28921	0.1681510	0.26675675	2.3899699	21	9 1.8	21.2
216716 2005 EK_{58}	16.9	X	291.68607	281.06399	181.72655	6.95714	0.0543274	0.27985158	2.3148217	21	12 8.2	19.5
216717 2005 EJ_{86}	17.1	X	152.12523	63.00128	130.55120	3.59219	0.1567307	0.26930689	2.3748585	21	10 6.1	20.7
216718 2005 EN_{125}	17.0	X	145.73365	26.34644	181.27885	6.85976	0.0525152	0.26968628	2.3726307	21	10 16.1	20.1
216719 2005 EQ_{156}	17.0	X	220.31383	79.45862	68.52497	5.84992	0.1600310	0.27779079	2.3262559	21	10 16.6	20.2
216720 2005 EW_{198}	17.3	X	78.44580	30.17863	211.39544	1.96256	0.1673026	0.26129881	2.4231358	21	9 21.1	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216721 2005 EX_{199}	15.2	X	131.52383	258.46143	263.51981	8.64521	0.0505356	0.19849891	2.9104756	21	7 22.3	19.5
216722 2005 EC_{286}	15.8	X	139.78365	249.03155	45.59632	22.57120	0.2991343	0.27938904	2.3173758	21	—	—
216723 2005 GX_{9}	16.8	X	81.18409	158.05566	78.42742	5.95277	0.1565464	0.26125295	2.4234194	21	9 20.2	20.1
216724 2005 GD_{21}	17.4	X	64.80886	61.49352	210.71943	5.73734	0.2011589	0.26248409	2.4158357	21	10 20.8	20.7
216725 2005 GV_{43}	17.1	X	125.64879	341.47569	296.56443	2.55924	0.1986258	0.27323987	2.3520145	21	12 25.2	20.9
216726 2005 GY_{50}	15.4	X	45.23345	224.32208	83.85983	23.91731	0.2172282	0.26301579	2.4125787	21	11 22.1	18.8
216727 2005 GE_{69}	15.9	X	153.82730	195.15294	67.33712	23.92833	0.1471388	0.27667164	2.3325249	21	12 30.3	19.7
216728 2005 GC_{97}	17.0	X	350.68285	248.58265	59.64292	3.14907	0.2052355	0.25447998	2.4662303	21	7 25.5	18.7
216729 2005 GT_{115}	16.5	X	324.99059	209.65726	41.63599	5.15963	0.1100631	0.24396170	2.5366173	21	3 21.0	19.5
216730 2005 GE_{123}	17.2	X	109.12309	189.19508	92.82149	2.26938	0.1731970	0.26996975	2.3709696	21	12 14.7	20.8
216731 2005 GG_{156}	16.3	X	344.12719	303.09910	193.69896	4.18134	0.2169688	0.23148487	2.6269651	21	—	—
216732 2005 GA_{169}	16.5	X	243.02991	228.61856	207.37383	6.92095	0.0838389	0.26256661	2.4153295	21	8 10.6	19.9
216733 2005 HN_{2}	17.0	X	90.99115	120.75100	54.33904	1.81803	0.1291847	0.25421477	2.4679453	21	7 1.9	20.2
216734 2005 JP_{15}	16.9	X	303.54731	40.68499	217.01464	4.63612	0.1120835	0.23853922	2.5749147	21	2 24.5	20.5
216735 2005 JN_{23}	17.8	X	137.61139	62.83550	104.12747	1.53805	0.1525073	0.26217049	2.4177618	21	8 16.8	21.4
216736 2005 JU_{30}	16.0	X	244.94287	91.00405	215.65901	14.44615	0.1115653	0.23632801	2.5909513	21	2 17.7	20.2
216737 2005 JK_{83}	16.7	X	142.60863	345.15122	110.68175	2.38094	0.1023214	0.24724271	2.5141261	21	5 15.7	20.4
216738 2005 JA_{90}	16.8	X	358.50172	115.80825	198.24593	3.00707	0.1870725	0.25526790	2.4611528	21	8 22.6	18.8
216739 2005 JH_{128}	16.6	X	110.42212	155.92611	95.44487	5.66182	0.1444119	0.26458543	2.4030276	21	11 7.5	20.2
216740 2005 JR_{154}	16.8	X	90.21932	327.41165	227.97742	1.37234	0.1463039	0.25551344	2.4595758	21	7 31.3	20.1
216741 2005 KG_{11}	15.6	X	244.12176	199.01500	108.91173	34.25049	0.1741691	0.23241524	2.6199499	21	2 25.5	20.4
216742 2005 LX_{5}	16.1	X	325.08447	181.31002	94.24109	14.53574	0.1666613	0.24190171	2.5509978	21	4 21.4	19.3
216743 2005 LC_{45}	16.2	X	286.55704	144.23826	203.56198	11.85465	0.2160754	0.24518509	2.5281724	21	5 20.8	19.7
216744 2005 MN_{16}	15.8	X	251.33711	358.12381	202.77472	16.49409	0.1230614	0.22069430	2.7119102	21	—	—
216745 2005 MG_{47}	16.4	X	237.42408	231.38936	100.36644	13.73002	0.2578075	0.22823534	2.6518409	21	3 17.8	21.3
216746 2005 NR_{3}	16.1	X	217.68485	274.95829	130.74174	12.26315	0.0027499	0.23917631	2.5703402	21	6 9.5	19.7
216747 2005 NC_{10}	16.9	X	245.94552	152.28342	136.83151	1.69762	0.1193729	0.22646273	2.6656608	21	2 3.3	21.1
216748 2005 NT_{12}	16.1	X	312.31885	121.07224	176.25032	8.14933	0.1282820	0.24216497	2.5491487	21	5 2.2	19.2
216749 2005 NR_{39}	15.9	X	231.42135	172.36554	97.53801	16.49984	0.1156965	0.22096248	2.7097155	21	—	—
216750 2005 NR_{60}	16.3	X	8.88215	173.72690	163.11093	4.54035	0.1953457	0.25239325	2.4798052	21	10 25.2	18.5
216751 2005 ON_{31}	15.4	X	352.09328	184.34647	125.92148	11.61650	0.0632945	0.18333346	3.0688445	21	7 29.6	19.3
216752 2005 PR_{23}	15.9	X	38.59428	204.23542	157.12535	10.52724	0.1086504	0.19680329	2.9271691	21	12 17.4	20.0
216753 2005 QG_{31}	16.6	X	163.51941	224.04773	84.94964	2.71821	0.1865894	0.21244622	2.7816557	21	—	—
216754 2005 QO_{68}	17.0	X	262.06505	258.71199	38.60354	5.40531	0.1857631	0.28981205	2.2614748	21	2 18.3	20.4
216755 2005 QF_{83}	15.6	X	126.07113	117.32254	185.05174	5.76913	0.0528043	0.20141498	2.8823156	21	—	—
216756 2005 QU_{127}	16.1	X	239.39212	61.30073	154.02653	14.92871	0.0883534	0.20678623	2.8321851	21	—	—
216757 Vasari	15.4	X	345.66333	113.41830	218.97485	10.71116	0.0911858	0.17877847	3.1207519	21	8 13.1	19.6
216758 2005 SX_{36}	16.3	X	196.85250	151.79817	176.13327	1.86486	0.0528138	0.21524863	2.7574593	21	2 2.0	20.3
216759 2005 SG_{45}	15.7	X	345.83073	78.71571	251.27608	1.97954	0.1131310	0.17754692	3.1351666	21	8 13.0	19.6
216760 2005 SC_{74}	16.2	X	114.52155	51.98207	185.48884	1.84523	0.1181772	0.18737160	3.0245925	21	10 13.3	20.6
216761 2005 SD_{124}	15.3	X	106.86061	29.37929	185.22200	11.34559	0.0342329	0.17926218	3.1151355	21	8 25.7	19.8
216762 2005 SU_{134}	15.6	X	244.71982	146.77855	190.68445	10.91366	0.2442957	0.22355425	2.6887314	21	3 24.6	20.2
216763 2005 SW_{160}	16.1	X	32.91587	115.26767	194.12770	11.05873	0.0750656	0.18419159	3.0593055	21	9 27.3	20.1
216764 2005 TF_{99}	16.1	X	188.92301	68.00552	241.20703	6.45115	0.2111331	0.21439155	2.7648036	21	1 9.2	20.8
216765 2005 TG_{99}	15.3	X	322.69711	125.65052	226.08101	9.32254	0.0590244	0.17958357	3.1114177	21	8 6.2	19.6
216766 2005 UK_{69}	15.0	X	14.83472	71.99147	231.98343	9.34584	0.1965079	0.17808506	3.1288474	21	8 31.3	18.7
216767 2005 UV_{159}	16.1	X	214.18408	203.56745	106.32630	3.73500	0.1465604	0.21446377	2.7641828	21	1 30.9	20.5
216768 2005 UL_{199}	15.9	X	136.12233	48.06257	177.96516	1.46001	0.1162272	0.18129873	3.0917631	21	10 20.2	20.8
216769 2005 UD_{382}	15.0	X	319.35578	240.87515	116.75615	11.40180	0.1028406	0.17711258	3.1402901	21	8 9.3	18.9
216770 2005 VX_{4}	15.9	X	5.01352	266.50879	109.55585	1.48038	0.3553869	0.18654850	3.0334829	21	12 18.9	18.8
216771 2005 WC_{45}	15.1	X	253.52373	282.62945	247.75618	0.74768	0.0434841	0.12455818	3.9708902	21	12 10.9	20.8
216772 2005 WY_{74}	15.9	X	115.89835	318.38019	290.54321	4.04187	0.1134571	0.18175152	3.0866261	21	10 25.5	20.7
216773 2006 BR_{8}	16.7	X	175.80857	34.48364	174.36777	29.05286	0.3293700	0.35668170	1.9691652	21	11 18.6	20.6
216774 2006 HK_{31}	17.1	X	240.34099	43.08337	211.34697	4.88748	0.1527591	0.30881316	2.1677316	21	—	—
216775 2006 HX_{38}	15.0	X	311.36140	86.86179	72.15848	10.39338	0.0488779	0.17517392	3.1634168	21	—	—
216776 2006 JC_{80}	17.6	X	170.71150	155.93771	174.22056	6.29812	0.1291934	0.29892601	2.2152713	21	—	—
216777 2006 QV_{18}	17.1	X	32.05688	101.87199	206.59499	0.61663	0.1937671	0.26850559	2.3795810	21	10 26.0	19.5
216778 2006 QG_{25}	16.2	X	185.18780	200.78539	147.88184	10.84836	0.1121197	0.23479834	2.6021922	21	2 14.9	20.3
216779 2006 QL_{26}	17.6	X	114.10355	78.66719	245.10360	5.50577	0.1533293	0.28465055	2.2887307	21	—	—
216780 Lilianne	17.5	X	222.04496	125.65379	182.96359	6.45760	0.2192870	0.29912155	2.2143057	21	1 23.2	21.3
216781 2006 QQ_{62}	17.2	X	122.87156	262.14467	65.07055	2.84345	0.2366041	0.28668438	2.2778932	21	—	—
216782 2006 QG_{116}	16.9	X	61.08293	151.54707	183.44164	7.02373	0.1459386	0.27511105	2.3413375	21	12 31.3	20.3
216783 2006 QO_{122}	16.0	X	58.55795	193.02477	192.76519	8.37307	0.1698763	0.21427934	2.7657686	21	—	—
216784 2006 QV_{182}	17.2	X	75.84829	357.92556	225.01581	1.44167	0.1542431	0.26180259	2.4200263	21	8 21.3	20.3
216785 2006 RF_{36}	17.0	X	23.48426	95.14383	243.74985	5.25390	0.1645995	0.26719584	2.3873509	21	11 19.3	19.6
216786 2006 RQ_{56}	16.9	X	153.34160	127.22595	186.39822	4.01784	0.0619703	0.28514003	2.2861107	21	—	—
216787 2006 RC_{66}	16.4	X	315.87269	159.25446	35.29864	2.69503	0.0181065	0.22524578	2.6752535	21	1 9.2	19.9
216788 2006 RQ_{90}	15.7	X	9.01784	21.69985	191.67513	9.56801	0.1144181	0.23953022	2.5678078	21	4 8.6	18.2
216789 2006 SU_{1}	16.8	X	311.85334	203.94452	178.09035	11.89638	0.1630793	0.26034081	2.4290766	21	8 27.2	19.2
216790 2006 SD_{15}	16.4	X	13.91745	219.77833	226.20926	4.04059	0.0584302	0.21624224	2.7490060	21	—	—
216791 2006 SA_{17}	16.7	X	10.61388	92.24971	225.72005	5.29603	0.1255185	0.26066035	2.4270910	21	9 17.7	19.2
216792 2006 SN_{21}	17.1	X	261.60882	359.07847	272.83087	4.39917	0.1501772	0.30258466	2.1973780	21	1 14.1	20.4
216793 2006 SJ_{23}	16.3	X	199.90616	300.14588	49.47263	15.02116	0.1072848	0.23490266	2.6014217	21	3 11.0	20.5
216794 2006 SE_{24}	15.8	X	203.70108	284.30943	74.72803	10.80023	0.1215892	0.23155104	2.6264647	21	3 24.6	20.1
216795 2006 SA_{50}	16.1	X	83.18305	200.51480	205.49541	1.48601	0.0795786	0.21929008	2.7234750	21	—	—
216796 2006 SA_{94}	17.5	X	99.80423	119.89482	171.56180	2.67295	0.2207280	0.27342234	2.3509680	21	12 20.9	21.4
216797 2006 SM_{135}	16.4	X	31.62578	217.88536	230.84493	8.59125	0.0951057	0.21894799	2.7263110	21	—	—
216798 2006 SG_{218}	16.4	X	243.98574	149.37448	230.98483	4.82312	0.2635368	0.24297443	2.5434840	21	5 13.3	20.7
216799 2006 SM_{218}	15.9	X	279.38156	93.45437	223.04604	14.11611	0.0644719	0.23756592	2.5819428	21	4 20.0	19.4
216800 2006 SC_{271}	17.3	X	31.66443	204.37840	126.22572	1.36156	0.1343577	0.26843209	2.3800154	21	11 16.1	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216801 2006 SW_{315}	17.5	X	49.92560	212.56028	101.47047	2.42469	0.1867606	0.26821199	2.3813172	21	11 26.4	20.5
216802 2006 SP_{358}	16.5	X	78.72391	341.69482	78.42004	3.57325	0.0954114	0.22123533	2.7074871	21	1 7.5	19.6
216803 2006 SA_{379}	16.6	X	283.70131	152.26149	101.56953	14.02987	0.1394742	0.22926881	2.6438657	21	1 28.7	20.5
216804 2006 SD_{381}	15.7	X	142.88921	20.92303	128.07908	15.11179	0.0694476	0.17795973	3.1303163	21	7 21.7	20.4
216805 2006 SU_{388}	15.6	X	114.92422	82.17575	93.45782	12.30866	0.1009413	0.17991998	3.1075380	21	7 28.4	20.3
216806 2006 SC_{390}	16.1	X	256.39684	202.08938	91.36199	15.74277	0.0832977	0.23083686	2.6318791	21	2 27.4	20.2
216807 2006 SE_{392}	15.7	X	176.22219	282.51670	111.05044	11.81218	0.2083801	0.23317432	2.6142607	21	4 12.6	20.3
216808 2006 TG_{11}	17.7	X	47.11915	90.09502	197.52656	0.93162	0.1843354	0.26199774	2.4188244	21	10 16.5	20.5
216809 2006 TU_{31}	16.7	X	214.18194	212.97916	185.43235	1.99172	0.1181533	0.24182894	2.5515095	21	5 17.7	20.4
216810 2006 TT_{49}	15.8	X	35.52367	355.66523	69.60055	5.57990	0.0551372	0.21355095	2.7720542	21	—	—
216811 2006 TK_{65}	15.0	X	135.78777	247.90862	215.82421	16.45854	0.1572216	0.17358374	3.1827072	21	5 26.9	20.1
216812 2006 TA_{118}	16.4	X	219.01583	350.27019	131.26067	11.80858	0.0493148	0.18882272	3.0090764	21	9 15.4	20.8
216813 2006 UO_{16}	15.7	X	203.55834	54.19262	68.11154	11.51633	0.0475067	0.18361827	3.0656704	21	8 31.6	20.4
216814 2006 UO_{69}	16.4	X	96.77647	158.35537	159.50742	6.27995	0.2627024	0.27632507	2.3344748	21	—	—
216815 2006 UM_{83}	16.3	X	181.04274	230.19426	101.66571	3.76057	0.0801674	0.22212116	2.7002839	21	1 21.7	20.3
216816 2006 UH_{84}	16.2	X	202.15247	145.07960	217.17019	1.03789	0.2052507	0.23342033	2.6124236	21	3 20.9	20.6
216817 2006 UX_{95}	16.8	X	303.24680	45.74440	136.42710	2.88924	0.0211842	0.21755841	2.7379076	21	—	—
216818 2006 UQ_{231}	16.3	X	178.70321	262.44343	57.43724	6.60525	0.0308134	0.22269213	2.6956663	21	—	—
216819 2006 UK_{253}	16.6	X	291.66376	220.22752	44.29751	5.25569	0.1301750	0.23245091	2.6196818	21	2 21.7	20.3
216820 2006 UP_{266}	16.2	X	151.30521	165.05819	70.39493	2.91958	0.0208707	0.19928650	2.9028023	21	11 16.3	20.3
216821 2006 UK_{285}	16.4	X	130.65436	94.40514	81.39808	2.36918	0.0407788	0.18058149	3.0999443	21	8 9.1	20.8
216822 2006 VD_{7}	16.1	X	321.16405	108.38081	203.95740	0.40024	0.0879604	0.17687557	3.1430948	21	6 13.4	20.2
216823 2006 VL_{31}	16.1	X	162.05304	320.10719	211.72215	9.51532	0.0182097	0.19097587	2.9864166	21	9 6.4	20.5
216824 2006 VZ_{56}	15.8	X	201.56533	235.63573	231.58472	9.72096	0.0452003	0.17972386	3.1097983	21	7 31.9	20.6
216825 2006 VB_{68}	15.5	X	330.52336	318.42716	67.46764	11.55283	0.0485557	0.18929626	3.0040561	21	10 11.8	19.6
216826 2006 VX_{68}	16.5	X	191.53746	301.80668	66.16856	5.75936	0.2489568	0.23110655	2.6298312	21	3 23.4	21.2
216827 2006 VE_{100}	16.3	X	65.76545	102.18594	103.65448	0.41692	0.1046560	0.17272805	3.1932099	21	7 5.2	20.4
216828 2006 VO_{100}	16.2	X	33.47966	318.67576	110.62104	4.67614	0.0818071	0.21172494	2.7879696	21	—	—
216829 2006 VC_{126}	16.7	X	132.88207	144.47487	234.99958	4.47659	0.0368917	0.22393888	2.6856519	21	1 18.3	20.3
216830 2006 VX_{130}	16.1	X	310.50061	184.54537	129.54367	5.38784	0.1460873	0.24361206	2.5390438	21	5 19.8	19.1
216831 2006 VN_{131}	17.2	X	10.26421	236.59538	88.92057	1.94382	0.2262696	0.25844916	2.4409149	21	10 16.3	19.1
216832 2006 VQ_{131}	15.4	X	236.00011	259.55599	96.43370	13.88695	0.2073344	0.23720805	2.5845391	21	4 17.2	19.9
216833 2006 VL_{150}	16.4	X	263.83648	78.93669	239.94910	2.85676	0.1163458	0.23729417	2.5839137	21	3 28.4	20.0
216834 2006 WY_{25}	15.6	X	150.95522	254.18323	241.44838	5.63240	0.0838913	0.17550460	3.1594419	21	7 13.9	20.5
216835 2006 WC_{42}	17.2	X	153.94017	194.66478	115.29226	4.20279	0.2416123	0.28354044	2.2947007	21	—	—
216836 2006 WW_{54}	16.5	X	20.46305	15.32384	295.68415	0.75100	0.0303087	0.18327364	3.0695123	21	9 7.7	20.6
216837 2006 WE_{110}	15.2	X	270.04417	355.62888	76.30851	15.78910	0.0724589	0.18480932	3.0524845	21	9 17.6	19.7
216838 2006 WD_{140}	15.9	X	214.54303	352.00564	80.13067	4.01660	0.0433404	0.17417365	3.1755167	21	7 6.5	20.4
216839 2006 WD_{199}	16.2	X	13.39648	45.07976	275.30103	8.30773	0.2743878	0.25805906	2.4433742	21	10 17.9	18.5
216840 2006 WN_{201}	15.4	X	289.74622	294.05220	72.13713	8.34601	0.0277735	0.17483678	3.1674822	21	7 18.9	19.8
216841 2006 XQ_{31}	15.9	X	292.66612	70.32323	254.12427	5.44891	0.2439770	0.24105608	2.5569604	21	4 20.3	19.5
216842 2006 XY_{37}	15.9	X	344.60278	241.91692	98.11057	6.37019	0.1198787	0.17858901	3.1229586	21	8 27.9	19.6
216843 2006 XE_{53}	15.6	X	220.95086	271.38319	76.40037	15.72043	0.2315400	0.22928396	2.6437493	21	3 27.5	20.5
216844 2006 XY_{65}	15.4	X	85.93665	282.18028	110.47212	15.37710	0.1920585	0.21267581	2.7796535	21	—	—
216845 2006 YR_{1}	16.4	X	196.21337	73.99892	287.58217	4.08965	0.0711982	0.22158756	2.7046172	21	3 12.6	20.5
216846 2006 YD_{7}	15.3	X	200.67988	351.47176	136.89859	10.13213	0.0611967	0.18141438	3.0904489	21	8 30.4	19.9
216847 2007 EP_{212}	12.8	X	53.74293	36.69222	153.69206	21.27435	0.0481759	0.08313094	5.1994919	21	5 30.7	19.8
216848 2007 TC_{58}	16.5	X	109.05494	307.68313	213.06543	5.90478	0.0726195	0.26057983	2.4275910	21	6 26.8	19.7
216849 2007 TX_{231}	16.6	X	124.46644	294.82305	217.83547	6.84991	0.0767581	0.26031236	2.4292536	21	7 5.4	19.9
216850 2007 UV_{128}	15.5	X	290.73034	27.37961	274.24223	7.11025	0.0674039	0.17971511	3.1098993	21	4 18.6	19.9
216851 2007 VS_{168}	16.5	X	65.91508	189.13947	60.51651	7.38657	0.0695115	0.26574367	2.3960402	21	9 6.1	19.5
216852 2007 VR_{257}	15.9	X	39.17676	30.12605	23.76018	6.08057	0.0332689	0.22363772	2.6880624	21	—	—
216853 2007 WK_{43}	16.9	X	320.39009	252.98653	227.67141	6.28782	0.0286231	0.29256721	2.2472546	21	—	—
216854 2007 XX_{9}	16.7	X	75.70504	259.21079	84.65101	23.76578	0.1031704	0.36170516	1.9508906	21	—	—
216855 2007 YW_{20}	15.9	X	251.16136	102.31936	87.65762	25.64508	0.1223154	0.21139902	2.7908344	21	—	—
216856 2007 YU_{61}	16.0	X	89.22504	118.18740	126.31713	11.81561	0.1609035	0.18395081	3.0619746	21	10 4.3	20.8
216857 2008 AF_{24}	17.0	X	220.85626	101.32879	86.85313	3.38038	0.0658088	0.27451593	2.3447202	21	12 19.6	20.0
216858 2008 AL_{85}	16.8	X	283.56550	184.02603	99.35144	4.04060	0.0330459	0.23574280	2.5952374	21	3 20.6	20.2
216859 2008 AP_{101}	15.7	X	129.78419	83.60769	113.63420	11.69491	0.1057249	0.18407219	3.0606283	21	9 12.8	20.5
216860 2008 BX_{18}	15.5	X	106.04614	73.01764	144.80595	10.92512	0.0823501	0.18467003	3.0540193	21	9 7.6	19.9
216861 2008 BF_{35}	15.9	X	31.02264	181.73364	152.26284	1.52343	0.0779586	0.18955150	3.0013587	21	10 28.4	19.8
216862 2008 BK_{35}	16.0	X	71.89669	155.06581	151.02231	9.89585	0.2076114	0.26231615	2.4168667	21	12 12.4	19.8
216863 2008 BF_{44}	15.9	X	177.57243	60.49358	63.80563	7.79649	0.0912592	0.18190911	3.0848431	21	7 31.2	20.7
216864 2008 BG_{44}	15.8	X	340.03363	150.75046	97.34392	15.82567	0.0741330	0.23919896	2.5701780	21	4 21.2	19.2
216865 2008 BH_{46}	16.4	X	210.59514	222.94693	159.26857	11.63183	0.1752079	0.23764140	2.5813961	21	4 25.0	20.8
216866 2008 CY_{169}	16.5	X	218.30196	134.74045	179.10961	7.73312	0.2444627	0.22246275	2.6975190	21	2 4.4	21.4
216867 2008 CP_{197}	16.1	X	57.78825	71.50167	234.38240	2.46182	0.0598211	0.18969000	2.9998976	21	10 24.9	20.1
216868 2008 DT_{9}	16.4	X	344.08214	342.26903	131.87641	6.21923	0.0237788	0.21309634	2.7759953	21	—	—
216869 2008 DR_{24}	15.5	X	26.69978	148.72200	157.84963	9.14054	0.0706136	0.18169141	3.0873067	21	9 15.8	19.4
216870 2008 DL_{44}	16.1	X	5.08579	10.87148	160.09900	13.74263	0.1300720	0.22118025	2.7079366	21	2 1.6	19.3
216871 2008 DV_{68}	16.2	X	112.08895	116.96865	114.43998	3.00388	0.1431979	0.17813809	3.1282265	21	10 6.1	21.0
216872 2008 DB_{81}	15.5	X	236.61802	287.70390	168.93532	13.04481	0.1131179	0.18235379	3.0798261	21	8 23.3	20.2
216873 2008 DA_{84}	16.0	X	279.80995	163.08908	109.86586	9.30561	0.1017814	0.22393205	2.6857065	21	2 23.7	19.9
216874 2008 EC_{6}	16.2	X	41.05581	324.94979	102.79882	7.83299	0.0603998	0.21376763	2.7701806	21	—	—
216875 2008 EF_{40}	15.0	X	339.73567	131.83676	198.57453	17.81095	0.1404818	0.17228439	3.1986895	21	7 28.6	19.2
216876 2008 EL_{54}	13.1	X	335.23978	108.27790	175.39234	12.16334	0.1699301	0.08245394	5.2279143	21	5 27.6	19.4
216877 2008 FS_{54}	13.8	X	309.56691	204.49070	99.27056	2.24889	0.1009925	0.08164137	5.2625453	21	5 21.0	20.5
216878 2008 FL_{60}	15.4	X	77.00070	150.01890	147.36772	8.72496	0.2440958	0.17958836	3.1113624	21	11 29.4	20.4
216879 2008 FS_{76}	15.8	X	5.92109	102.42950	188.23031	2.80705	0.1245865	0.17171596	3.2057447	21	7 25.3	19.5
216880 2008 FF_{118}	15.8	X	295.57673	211.29493	169.54120	9.42961	0.1387957	0.17429890	3.1739953	21	7 27.2	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216881 2008 GA_{32}	13.4	X	297.32912	137.57060	189.76361	22.85072	0.0600127	0.08323647	5.1950964	21	6 7.2	20.4
216882 2008 KE	15.9	X	95.75550	131.21609	226.31989	1.24665	0.0503868	0.19799123	2.9154488	21	—	—
216883 2008 QG_{41}	13.1	X	332.23451	229.97171	183.51691	7.77257	0.0878465	0.08313913	5.1991505	21	10 26.2	19.5
216884 2008 SR_{5}	16.3	X	52.00726	238.42088	66.84854	5.03543	0.2493758	0.23407457	2.6075535	21	11 20.5	20.0
216885 2008 SD_{268}	15.7	X	133.06134	140.47415	198.95250	10.54390	0.1126889	0.17585188	3.1552810	21	—	—
216886 2008 US_{47}	15.5	X	156.17041	347.62632	31.79167	5.54629	0.1534100	0.18391802	3.0623385	21	3 7.1	20.3
216887 2008 UR_{83}	15.9	X	246.14251	257.11376	225.43531	11.92893	0.1562430	0.21876489	2.7278321	21	10 1.7	20.0
216888 Sankovich	15.6	X	336.67303	201.46853	255.39728	12.06411	0.2442258	0.23167298	2.6255430	21	—	—
216889 2008 YW_{17}	16.7	X	254.13630	272.61427	129.55775	2.40627	0.0938915	0.19889799	2.9065811	21	7 9.3	20.8
216890 2008 YL_{91}	15.8	X	129.41096	298.93364	286.36743	7.63154	0.0927079	0.20981885	2.8048289	21	10 10.2	20.2
216891 2009 DN_{43}	13.1	X	215.36053	277.18798	112.15457	14.14516	0.0363818	0.08241485	5.2295672	21	5 23.4	20.3
216892 2009 DS_{83}	16.2	X	286.78399	313.26527	22.79538	4.14108	0.1497163	0.25498791	2.4629542	21	5 12.3	19.4
216893 2009 DP_{111}	16.1	X	155.93509	246.30323	38.41572	13.00553	0.1392253	0.22454622	2.6808070	21	—	—
216894 2009 FK_{2}	15.8	X	295.76508	122.47779	104.71627	5.44380	0.2732479	0.23118935	2.6292033	21	—	—
216895 2009 HQ_{28}	16.3	X	311.50312	325.17879	231.24693	8.09513	0.2113944	0.22874273	2.6479179	21	—	—
216896 2009 HQ_{54}	15.9	X	199.02610	223.33933	91.55011	13.58599	0.2710055	0.21805694	2.7337331	21	1 26.7	20.9
216897 Golubev	15.2	X	45.99062	176.00742	70.27016	11.45386	0.0421206	0.18078565	3.0976100	21	7 23.8	19.5
216898 2009 HJ_{84}	13.0	X	272.80438	258.92612	85.91346	16.30267	0.0381470	0.08533996	5.1093748	21	6 2.3	19.8
216899 2009 HL_{84}	16.2	X	188.38452	221.99470	95.50801	10.26557	0.1487003	0.21938717	2.7226715	21	1 16.3	20.5
216900 2009 HV_{84}	15.6	X	75.37666	142.12996	152.01704	12.65829	0.0703995	0.19221352	2.9735832	21	11 7.1	20.0
216901 2009 HO_{88}	17.1	X	279.09394	0.45264	233.19609	3.64601	0.1316979	0.30713298	2.1756302	21	—	—
216902 2009 HA_{92}	17.2	X	249.81003	22.79862	229.38490	3.75004	0.1019308	0.30394223	2.1908300	21	—	—
216903 2009 HD_{94}	16.0	X	326.34206	10.25003	232.56429	4.57173	0.2040769	0.23645926	2.5899925	21	2 21.5	19.3
216904 2009 HP_{95}	17.0	X	103.47181	35.28056	203.91435	1.07376	0.1427333	0.27116768	2.3639817	21	10 14.6	20.2
216905 2009 HR_{95}	16.1	X	33.79177	151.05438	122.77344	2.38942	0.1340896	0.17762646	3.1342305	21	8 21.2	20.0
216906 2009 HX_{96}	15.8	X	119.00452	90.92633	143.50555	9.93973	0.1501994	0.18951000	3.0017968	21	10 19.9	20.7
216907 2009 JG	15.7	X	302.23233	191.88596	78.89734	15.33910	0.0752699	0.23655323	2.5893065	21	3 29.0	19.5
216908 2009 JQ	15.6	X	286.88983	77.38948	227.66760	13.56021	0.1927918	0.23751425	2.5823173	21	3 24.5	19.6
216909 2009 JB_{1}	15.8	X	295.54497	157.53974	81.71091	14.63694	0.1033095	0.22941943	2.6427084	21	1 29.6	19.7
216910 Vnukov	15.4	X	357.38245	122.10975	127.29258	12.96372	0.2106656	0.24406774	2.5358825	21	5 8.1	17.9
216911 2009 KJ_{4}	17.0	X	92.02242	263.90624	38.16867	7.82478	0.2017152	0.27356587	2.3501456	21	12 25.9	20.8
216912 2009 KW_{7}	17.8	X	138.54062	24.52347	225.46736	5.63578	0.1007812	0.28019372	2.3129369	21	12 3.2	21.0
216913 4533 $P–L$	16.3	X	145.32952	187.85798	174.69523	11.15388	0.1797755	0.21718876	2.7410133	21	1 29.8	20.6
216914 1084 $T–2$	17.1	X	40.47452	102.39760	221.84967	1.26435	0.2248229	0.26919175	2.3755357	21	12 3.6	19.9
216915 1194 $T–2$	16.9	X	147.71624	177.53843	180.75393	8.09235	0.3115915	0.21439650	2.7647609	21	2 8.3	21.6
216916 1159 $T–3$	15.2	X	186.17039	110.05009	233.82535	12.89826	0.1748062	0.21279495	2.7786158	21	2 10.7	20.1
216917 1990 TH_{1}	17.4	X	346.35167	112.65359	204.96489	26.93691	0.2312109	0.41191746	1.7889406	21	7 30.3	18.9
216918 1995 UT_{23}	16.4	X	144.75870	83.11899	235.57701	4.85366	0.2331957	0.27832921	2.3232549	21	—	—
216919 1996 AK_{8}	14.5	X	81.80659	359.39367	300.02619	24.20240	0.1894577	0.18258330	3.0772446	21	11 28.0	19.6
216920 1996 GW_{9}	16.1	X	103.04621	40.55719	187.04142	5.09558	0.1208265	0.17012906	3.2256485	21	9 17.5	20.9
216921 1996 VC_{3}	16.3	X	199.77996	221.11589	96.22585	4.79813	0.0900621	0.25407640	2.4688412	21	1 18.7	19.8
216922 1997 MZ_{7}	15.7	X	206.42496	118.57961	298.32339	9.48660	0.0860914	0.19944556	2.9012588	21	6 4.4	20.3
216923 1998 DM_{12}	17.3	X	305.97872	51.37313	140.49299	5.85701	0.0960203	0.29104462	2.2550854	21	—	—
216924 1998 QV_{53}	16.9	X	82.01292	181.27425	140.32778	3.89295	0.1411252	0.26758839	2.3850155	21	—	—
216925 1998 QE_{72}	15.0	X	48.40996	50.08787	271.22730	15.04048	0.2083894	0.17640076	3.1487323	21	11 19.3	19.5
216926 1998 QR_{88}	16.0	X	37.39052	140.32530	228.21136	7.96533	0.2257140	0.26499649	2.4005419	21	—	—
216927 1998 QQ_{89}	16.3	X	87.84784	54.90526	289.36827	7.54751	0.1367028	0.26888590	2.3773367	21	—	—
216928 1998 QB_{98}	14.5	X	83.65881	344.03351	344.95604	16.69047	0.2104239	0.17979446	3.1089842	21	—	—
216929 1998 QR_{99}	17.0	X	30.36084	240.71497	122.79679	3.32027	0.2288911	0.26384625	2.4075137	21	—	—
216930 1998 SD_{69}	17.0	X	26.69523	2.18412	302.93809	7.41823	0.2193920	0.30210257	2.1997151	21	10 18.4	19.3
216931 1998 UM_{16}	16.0	X	340.97442	190.38245	199.52891	5.33481	0.2072533	0.25724432	2.4485305	21	11 17.3	17.8
216932 1998 VM_{2}	16.5	X	18.22404	338.10049	24.99566	1.70432	0.2030682	0.25971641	2.4329683	21	12 19.4	19.2
216933 1998 YP_{21}	15.7	X	141.74493	351.84183	297.34266	12.85959	0.1369784	0.21279676	2.7786000	21	—	—
216934 1999 KT_{19}	15.1	X	69.95879	345.33640	203.71891	17.12531	0.1397632	0.18286898	3.0740388	21	6 22.9	19.5
216935 1999 RJ_{43}	16.8	X	256.05323	340.52107	11.39154	7.47074	0.1099965	0.25710479	2.4494163	21	4 29.9	20.3
216936 1999 RS_{126}	17.0	X	195.86581	110.98061	224.13915	5.62731	0.1890991	0.29541543	2.2327869	21	2 1.8	20.6
216937 1999 RP_{137}	16.8	X	210.58102	178.97613	169.83583	5.09303	0.2002553	0.29816881	2.2190201	21	3 5.5	20.4
216938 1999 RU_{204}	15.4	X	91.03066	81.73800	283.15632	11.03517	0.1836518	0.19201518	2.9756305	21	—	—
216939 1999 SQ_{13}	17.1	X	163.97452	116.92841	195.03277	1.72425	0.2133481	0.28548906	2.2842470	21	—	—
216940 1999 TM_{16}	15.2	X	65.57223	106.44314	238.21021	10.04388	0.0356940	0.18365627	3.0652474	21	12 16.4	19.5
216941 1999 TX_{20}	17.2	X	140.11637	107.41305	246.71661	3.02442	0.2082989	0.28744104	2.2738939	21	1 6.0	19.9
216942 1999 TF_{58}	15.3	X	29.02141	160.46909	207.04128	8.02284	0.1507286	0.18149064	3.0895832	21	12 14.3	19.4
216943 1999 TZ_{60}	16.1	X	111.75266	341.01166	336.94011	4.30099	0.1615476	0.19124808	2.9835821	21	—	—
216944 1999 TC_{61}	17.8	X	212.94896	93.19457	199.16335	4.75161	0.1765152	0.29208666	2.2497188	21	—	—
216945 1999 TA_{108}	15.2	X	83.77352	76.52441	259.21933	10.21130	0.2242878	0.18972625	2.9995154	21	—	—
216946 1999 TN_{236}	17.5	X	140.39653	257.87317	103.16889	3.92211	0.2569072	0.28773489	2.2723455	21	1 22.5	20.6
216947 1999 TM_{258}	17.4	X	186.67019	70.99587	259.34556	2.60161	0.2666218	0.29252838	2.2474535	21	1 25.1	21.2
216948 1999 TV_{322}	14.9	X	123.55501	353.14564	299.72921	14.72878	0.0653885	0.18632554	3.0359023	21	12 24.2	19.5
216949 1999 UA_{63}	15.2	X	5.76959	119.48944	305.58193	30.40325	0.2561818	0.23074043	2.6326124	21	—	—
216950 1999 VF_{46}	16.6	X	139.84751	305.99278	31.79297	12.18124	0.2146481	0.28478518	2.2880093	21	—	—
216951 1999 VV_{94}	15.4	X	320.06834	214.75493	213.82409	8.27697	0.1285411	0.18065519	3.0991011	21	11 9.6	19.1
216952 1999 VS_{102}	15.3	X	279.52984	241.81975	225.67054	9.26520	0.0647849	0.17904297	3.1176776	21	11 4.8	19.4
216953 1999 VS_{172}	15.4	X	24.90035	83.72546	297.22105	4.57358	0.1850019	0.18032873	3.1028404	21	12 29.8	19.4
216954 1999 XG_{44}	17.1	X	132.60141	102.10634	267.68254	3.92469	0.2671773	0.28674812	2.2775556	21	1 25.5	20.2
216955 1999 XB_{46}	16.5	X	113.60583	120.54816	258.46230	5.56355	0.2384458	0.28478824	2.2879930	21	1 9.2	18.8
216956 1999 XN_{72}	14.6	X	341.85763	143.62162	257.32890	10.56759	0.2143231	0.17656080	3.1468293	21	11 9.1	17.9
216957 1999 XH_{225}	17.1	X	98.73122	252.09394	92.86240	3.32777	0.2333513	0.27469734	2.3436877	21	—	—
216958 2000 AK_{24}	16.6	X	70.09945	106.60652	301.40306	5.64692	0.1859637	0.27903661	2.3193267	21	—	—
216959 2000 AG_{26}	16.4	X	347.47637	155.93731	288.07188	2.77883	0.1439557	0.27165168	2.3611729	21	—	—
216960 2000 AD_{51}	14.5	X	36.48649	86.61579	309.09089	12.41343	0.2510902	0.18110989	3.0939119	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216961 2000 AW_{195}	15.8	X	302.31457	319.23561	156.99433	10.80600	0.1953358	0.22196538	2.7015471	21	12 17.8	18.7
216962 2000 AW_{227}	16.9	X	135.65629	138.56968	139.48776	24.32622	0.0652762	0.35603603	1.9715452	21	—	—
216963 2000 BX_{36}	16.8	X	44.22261	47.47047	325.95277	0.59714	0.1870417	0.26882893	2.3776726	21	—	—
216964 2000 CG_{31}	16.2	X	354.85913	99.59781	310.53074	5.93115	0.1127532	0.26617000	2.3934810	21	—	—
216965 2000 DH_{58}	16.0	X	300.02529	278.69020	172.60010	11.49564	0.1799677	0.21658345	2.7461181	21	11 10.3	19.1
216966 2000 EW_{4}	15.7	X	118.69111	24.55463	333.87819	10.96208	0.1076687	0.18101259	3.0950205	21	—	—
216967 2000 EJ_{64}	16.8	X	92.42007	30.68298	174.02254	3.29091	0.1338759	0.24543775	2.5264370	21	8 13.4	20.4
216968 2000 EO_{80}	16.7	X	302.65469	348.29649	108.10792	3.74270	0.2062334	0.26404843	2.4062846	21	12 1.9	18.6
216969 2000 EL_{81}	16.0	X	314.67545	307.70385	147.63094	14.59393	0.1762502	0.21886435	2.7270056	21	12 14.9	19.0
216970 2000 FX_{55}	15.5	X	332.51389	71.33085	164.96377	29.67540	0.3103982	0.23098100	2.6307841	21	2 6.5	19.0
216971 2000 JG_{75}	17.4	X	343.75283	66.46257	162.32737	5.12245	0.3175650	0.23085810	2.6317178	21	2 13.6	20.3
216972 2000 KQ_{12}	16.0	X	303.82659	100.56581	237.04836	11.08601	0.2674495	0.23551668	2.5968983	21	5 21.3	19.2
216973 2000 KG_{36}	15.9	X	353.18635	131.61697	100.85201	13.01419	0.1666543	0.23100714	2.6305856	21	4 11.1	18.9
216974 2000 KW_{58}	15.9	X	261.89635	215.63283	93.37190	8.64116	0.3179293	0.22623806	2.6674253	21	3 3.4	20.7
216975 2000 NS_{3}	14.6	X	233.32644	82.78944	307.05160	11.60250	0.2846144	0.22559843	2.6724649	21	5 12.5	19.5
216976 2000 NO_{13}	15.0	X	157.53037	110.28354	290.23554	6.58719	0.2352860	0.21615493	2.7497463	21	3 30.1	19.7
216977 2000 OA_{1}	16.0	X	229.80266	33.44006	311.57666	8.48640	0.1903858	0.22084373	2.7106867	21	3 20.9	20.6
216978 2000 OE_{17}	16.2	X	237.55476	226.57006	117.83275	8.11842	0.3173008	0.22165485	2.7040697	21	3 27.9	21.2
216979 2000 QB_{2}	15.8	X	277.02635	112.13559	342.50997	20.88905	0.2502633	0.28374028	2.2936231	21	9 24.7	18.3
216980 2000 QU_{21}	16.3	X	258.19450	292.07686	339.81053	6.03546	0.1069967	0.26259894	2.4151312	21	1 21.8	19.8
216981 2000 QD_{22}	16.4	X	164.52546	154.91555	242.82821	1.05954	0.2337583	0.21527456	2.7572379	21	4 4.4	21.2
216982 2000 QU_{38}	15.3	X	235.90718	58.35254	323.60505	12.26624	0.1960819	0.22506849	2.6766582	21	5 9.3	19.9
216983 2000 QG_{51}	16.3	X	223.28023	315.75701	336.86812	1.68038	0.2267150	0.21436056	2.7650700	21	1 17.7	21.0
216984 2000 QX_{117}	15.6	X	204.95026	44.57967	289.12490	6.69543	0.2236332	0.21498661	2.7596994	21	2 17.6	20.4
216985 2000 QK_{130}	21.1	X	156.06734	66.29401	173.87558	4.72269	0.2617927	0.76840941	1.1805225	21	—	—
216986 2000 QG_{158}	15.8	X	223.63619	33.98173	301.94284	11.87575	0.1807350	0.21822373	2.7323400	21	3 4.3	20.6
216987 2000 QP_{162}	15.5	X	269.66214	326.74277	290.41682	11.00442	0.1056171	0.21638947	2.7477590	21	1 21.6	19.6
216988 2000 QR_{223}	15.9	X	247.25210	302.22969	342.72103	6.26128	0.1396399	0.21682413	2.7440855	21	2 1.1	20.2
216989 2000 RB_{14}	15.0	X	165.27162	120.54964	267.36868	7.79783	0.1752170	0.21524339	2.7575041	21	3 17.5	19.6
216990 2000 RT_{20}	16.6	X	152.62991	120.32559	213.60849	7.21478	0.1754904	0.30245604	2.1980009	21	—	—
216991 2000 RC_{25}	15.5	X	172.33484	70.73441	266.05488	10.82413	0.0494718	0.21057032	2.7981518	21	1 15.7	19.7
216992 2000 RO_{40}	15.5	X	7.73830	127.16863	219.39143	11.95593	0.1304517	0.23629957	2.5911592	21	10 22.7	18.4
216993 2000 SQ	15.7	X	41.10890	108.56737	1.72440	5.39461	0.0101315	0.20853696	2.8163116	21	1 17.7	19.5
216994 2000 SM_{19}	15.9	X	170.34372	63.29539	289.37976	3.52165	0.0802808	0.21127878	2.7918932	21	2 5.4	19.9
216995 2000 SS_{46}	15.6	X	213.17183	79.85229	254.24005	10.88086	0.1815035	0.21695514	2.7429807	21	2 21.4	20.4
216996 2000 SN_{48}	15.9	X	233.91691	111.04682	199.81594	13.28004	0.1979591	0.21718761	2.7410231	21	2 12.4	20.8
216997 2000 ST_{51}	16.3	X	155.12061	96.74592	272.10901	7.76518	0.2392059	0.21071799	2.7968444	21	2 19.7	21.1
216998 2000 SP_{52}	15.7	X	255.12852	30.95028	243.15990	10.02046	0.2478642	0.21711738	2.7416141	21	1 16.6	20.5
216999 2000 SW_{52}	16.2	X	127.75897	204.93655	209.96900	3.28825	0.1116678	0.21284590	2.7781724	21	3 9.5	20.1
217000 2000 SS_{92}	15.9	X	215.13678	11.70014	276.92333	8.78038	0.0999387	0.21058528	2.7980193	21	1 6.6	20.1
217001 2000 SX_{102}	16.4	X	175.52710	164.70314	193.03990	7.89464	0.2360582	0.21191704	2.7862845	21	2 24.1	21.3
217002 2000 SQ_{130}	15.4	X	140.43905	145.42586	247.40959	12.50668	0.1753161	0.21193357	2.7861396	21	2 26.5	19.9
217003 2000 SC_{137}	15.6	X	181.22827	146.64985	235.93433	11.00300	0.3434833	0.21468552	2.7622791	21	3 30.4	20.9
217004 2000 SX_{153}	15.6	X	290.62068	300.18218	33.82903	8.56234	0.1927686	0.22366129	2.6878736	21	5 9.9	19.2
217005 2000 SG_{254}	15.8	X	165.10562	241.21727	108.93317	4.59772	0.1024272	0.20947889	2.8078627	21	1 31.1	20.0
217006 2000 UU_{78}	16.4	X	9.44328	327.04702	62.24211	5.26968	0.2174010	0.23771867	2.5808367	21	—	—
217007 2000 WG_{39}	15.1	X	172.85243	279.17238	228.56314	12.19575	0.2337492	0.17133985	3.2104344	21	8 16.7	20.9
217008 2000 WQ_{127}	15.5	X	88.43941	115.31625	248.76601	8.55249	0.2399882	0.24484724	2.5304975	21	—	—
217009 2000 XG_{4}	16.2	X	354.83985	355.95545	29.65982	12.50411	0.1870780	0.23513625	2.5996986	21	11 28.1	18.9
217010 2000 XC_{19}	15.0	X	75.03155	139.36012	282.12159	14.41959	0.1576360	0.20112176	2.8851164	21	1 15.0	18.5
217011 2000 YN_{50}	16.4	X	133.15837	190.78538	276.87788	8.67171	0.1649832	0.25793668	2.4441470	21	5 25.2	20.1
217012 2000 YT_{56}	15.7	X	126.67314	270.93143	89.21630	8.18199	0.3312370	0.20043776	2.8916764	21	1 31.2	20.3
217013 2001 AA_{50}	18.7	X	277.45219	58.60204	306.24484	43.88132	0.1980436	0.64930986	1.3207929	21	3 13.7	21.6
217014 2001 BX_{1}	15.3	X	176.19329	247.96566	288.83177	21.08196	0.2886209	0.26645620	2.3917668	21	9 19.2	20.1
217015 2001 BW_{31}	14.6	X	253.71735	175.20324	318.26205	16.02445	0.0789548	0.17879438	3.1205668	21	10 25.4	19.3
217016 2001 BQ_{54}	16.0	X	188.24994	221.48742	199.15478	6.77648	0.3172295	0.21319874	2.7751063	21	5 21.9	21.2
217017 2001 DN_{49}	15.7	X	217.20689	108.20765	16.47176	9.21968	0.1850131	0.22064061	2.7123501	21	9 6.9	20.0
217018 2001 FW_{186}	17.1	X	202.85181	294.72252	280.00926	1.54701	0.1579376	0.27470484	2.3436451	21	12 20.2	20.5
217019 2001 KP_{5}	16.7	X	82.95797	55.37772	214.23201	1.54436	0.1824785	0.25873412	2.4391223	21	11 3.8	20.1
217020 2001 KS_{5}	16.2	X	62.98310	222.49729	72.18517	3.08871	0.1873028	0.25959793	2.4337086	21	11 15.2	19.4
217021 2001 KH_{51}	15.3	X	95.74133	64.57451	244.90799	25.43534	0.1799577	0.26530107	2.3987043	21	12 31.0	19.4
217022 2001 KE_{75}	16.7	X	190.22660	326.09410	221.63093	8.93177	0.1188077	0.26535385	2.3983862	21	11 4.7	20.0
217023 2001 MV_{16}	14.1	X	158.67796	305.94787	40.05370	9.50975	0.1402077	0.12512695	3.9588478	21	2 7.2	20.3
217024 2001 NJ_{14}	14.4	X	181.48790	64.09257	268.77210	1.27774	0.2921099	0.12563506	3.9481668	21	2 11.8	21.2
217025 2001 OK_{14}	16.0	X	318.18945	52.34349	307.82383	10.05023	0.3658633	0.24484271	2.5305287	21	6 30.9	18.3
217026 2001 OB_{56}	16.1	X	306.52089	89.96889	271.87184	6.29910	0.1637997	0.24126073	2.5555141	21	7 16.9	18.8
217027 2001 OJ_{56}	16.7	X	110.82421	68.42680	262.10000	18.06839	0.0861360	0.36177626	1.9506350	21	—	—
217028 2001 OK_{80}	16.4	X	299.02581	202.07569	153.99324	12.75737	0.2004339	0.24086946	2.5582809	21	6 21.2	19.8
217029 2001 OS_{91}	16.1	X	311.53173	153.02751	205.33764	14.74602	0.1454316	0.24424936	2.5346253	21	7 20.2	19.3
217030 2001 OZ_{97}	17.0	X	339.42420	215.88026	112.50247	8.28000	0.3177753	0.24517276	2.5282571	21	7 15.3	17.8
217031 2001 OM_{111}	16.6	X	2.54229	65.21012	302.18182	13.58057	0.1322160	0.25288942	2.4765605	21	11 12.5	19.5
217032 2001 PJ_{4}	13.9	X	145.16147	44.85965	318.64147	7.45136	0.1879755	0.12396738	3.9834963	21	2 14.3	20.2
217033 2001 PM_{27}	16.7	X	341.97181	34.71497	301.51028	4.43145	0.2733251	0.24551625	2.5258984	21	8 13.3	18.2
217034 2001 PM_{57}	15.9	X	295.29642	272.12578	95.79305	5.87369	0.2650391	0.24199882	2.5503153	21	6 20.6	19.0
217035 2001 PT_{62}	16.3	X	245.98953	284.66507	120.16020	6.12792	0.3029869	0.23694564	2.5864469	21	6 12.1	20.7
217036 2001 QO_{4}	16.4	X	307.04210	197.76860	158.35345	6.25487	0.2749243	0.24341382	2.5404222	21	6 20.4	19.3
217037 2001 QE_{11}	16.8	X	13.04657	341.06387	309.26492	4.74184	0.1576161	0.29491698	2.2353020	21	8 18.7	18.4
217038 2001 QB_{39}	16.7	X	327.92507	221.18294	114.27591	4.59257	0.2135233	0.24496389	2.5296941	21	7 11.4	18.9
217039 2001 QK_{43}	14.5	X	163.46031	24.86760	324.31376	1.81365	0.2561640	0.12420833	3.9783431	21	2 16.9	21.0
217040 2001 QT_{102}	16.8	X	193.24391	136.94586	140.26363	23.24968	0.1034080	0.36927874	1.9241245	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
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217041 2001 QH_{114}	16.7	X	335.55716	40.01522	264.35202	5.27008	0.2222217	0.24167718	2.5525776	21	6 6.9	18.7
217042 2001 QT_{126}	16.4	X	326.85728	42.87564	279.58953	9.40719	0.2504688	0.24334514	2.5409001	21	6 11.6	18.8
217043 2001 QC_{132}	16.2	X	329.25425	39.62250	280.56496	4.59673	0.1728027	0.24225172	2.5485401	21	6 25.9	18.4
217044 2001 QA_{136}	16.2	X	250.60468	94.44353	295.65935	3.25230	0.3099787	0.23529754	2.5985104	21	5 27.0	20.5
217045 2001 QM_{147}	16.0	X	262.87823	304.10716	89.60114	13.35663	0.2695431	0.23656154	2.5892459	21	6 16.2	19.8
217046 2001 QE_{152}	15.3	X	265.55088	68.51498	324.47074	30.22018	0.1951110	0.23507367	2.6001599	21	7 6.1	19.5
217047 2001 QX_{189}	15.9	X	276.89213	103.85207	262.76033	11.70232	0.2025603	0.23911243	2.5707980	21	6 4.2	19.6
217048 2001 QZ_{189}	15.7	X	355.97986	355.54397	276.36728	14.25277	0.1481321	0.23983858	2.5656064	21	6 8.9	18.2
217049 2001 QX_{191}	15.8	X	326.87088	355.67133	303.41119	12.77840	0.2631573	0.23957505	2.5674874	21	4 27.9	18.8
217050 2001 QT_{203}	15.8	X	286.83301	171.26389	124.62756	15.47776	0.0998889	0.23568326	2.5956745	21	4 5.1	19.6
217051 2001 QP_{234}	16.8	X	303.60707	178.49051	164.09085	11.47374	0.2118155	0.24021359	2.5629354	21	6 7.8	20.1
217052 2001 QK_{243}	15.7	X	213.97706	36.45306	352.82757	14.25335	0.1259288	0.23179362	2.6246319	21	4 29.6	20.0
217053 2001 QO_{248}	16.6	X	261.89377	204.16371	168.12180	3.43094	0.2308429	0.23511780	2.5998345	21	5 23.6	20.6
217054 2001 QY_{260}	16.8	X	301.61044	99.75790	296.68383	6.23037	0.1113934	0.29435775	2.2381322	21	9 9.1	19.0
217055 2001 QZ_{264}	16.6	X	267.96807	108.72478	197.98828	4.78961	0.2721703	0.23191131	2.6237438	21	3 3.4	21.0
217056 2001 QZ_{280}	15.7	X	158.64544	15.44125	16.36446	13.20664	0.1671250	0.22588480	2.6702056	21	3 21.2	19.9
217057 2001 RF_{37}	16.8	X	328.97781	31.78758	308.56955	6.21343	0.2066713	0.24449386	2.5329352	21	7 23.5	19.0
217058 2001 RU_{53}	16.7	X	325.41235	221.47545	86.60871	2.61217	0.1764937	0.24059159	2.5602503	21	5 30.3	19.3
217059 2001 RK_{75}	16.9	X	295.13885	180.37472	175.88762	6.11424	0.3209737	0.23877878	2.5731922	21	5 27.5	20.4
217060 2001 RP_{95}	16.4	X	174.25927	292.76950	164.08364	21.31035	0.2078706	0.28422330	2.2910238	21	6 23.2	20.7
217061 2001 RE_{119}	16.8	X	312.29740	208.67398	138.40043	6.32460	0.1106519	0.24187365	2.5511951	21	7 13.7	19.8
217062 2001 RS_{123}	16.6	X	261.13010	194.37060	153.64850	3.94684	0.0981295	0.23464931	2.6032939	21	5 7.2	20.2
217063 2001 RF_{134}	16.3	X	311.56765	152.97745	164.62753	12.97247	0.2082129	0.23856451	2.5747327	21	5 18.1	19.6
217064 2001 SM_{12}	16.4	X	4.42354	332.36218	293.43261	5.71600	0.1220564	0.23897542	2.5717805	21	6 17.4	18.9
217065 2001 SO_{30}	16.6	X	198.23802	277.75776	167.46152	4.82061	0.2229499	0.23395259	2.6084598	21	6 27.6	21.1
217066 2001 SB_{50}	16.5	X	267.82429	211.35604	159.23801	5.10097	0.2791187	0.23653535	2.5894370	21	5 22.4	20.6
217067 2001 SA_{67}	16.6	X	272.39738	229.16097	127.74870	4.65411	0.2956287	0.23547700	2.5971900	21	5 8.1	20.6
217068 2001 SW_{68}	16.3	X	273.24834	239.78345	138.48603	5.74236	0.3229627	0.23700107	2.5860436	21	6 1.3	20.4
217069 2001 SQ_{107}	15.5	X	290.26153	67.31838	297.47544	5.76703	0.2269083	0.23676895	2.5877335	21	6 15.4	18.7
217070 2001 SS_{127}	17.0	X	297.79613	173.88954	200.62367	1.39832	0.2076864	0.24197571	2.5504777	21	7 13.6	20.0
217071 2001 SN_{142}	16.7	X	346.50809	27.45279	267.73181	3.34765	0.2090295	0.24105732	2.5569516	21	6 20.3	18.7
217072 2001 SD_{264}	16.0	X	301.83265	67.49757	280.66056	15.54938	0.2533677	0.23998555	2.5645588	21	6 4.2	19.4
217073 2001 SB_{276}	15.3	X	264.51766	88.32093	323.28132	25.38601	0.3217134	0.23807841	2.5782362	21	7 11.4	19.6
217074 2001 SE_{276}	16.5	X	170.08819	65.44654	218.66495	20.95192	0.0659582	0.36080465	1.9541353	21	—	—
217075 2001 SR_{289}	16.2	X	246.92333	97.18471	295.18415	10.23490	0.2040035	0.23644749	2.5900784	21	6 4.9	20.4
217076 2001 SW_{322}	16.0	X	303.14806	77.52948	258.93259	6.27769	0.1898168	0.23851005	2.5751247	21	5 31.4	19.1
217077 2001 TT_{34}	15.7	X	229.12825	2.94449	17.77263	12.18958	0.1889699	0.22913313	2.6449093	21	5 3.4	20.2
217078 2001 TF_{38}	15.4	X	131.31656	172.35859	269.21481	9.77046	0.2796539	0.21999243	2.7176752	21	5 1.0	20.0
217079 2001 TJ_{57}	16.8	X	243.40833	153.60849	233.28828	1.18167	0.1102739	0.23455517	2.6039904	21	6 4.1	20.7
217080 2001 TG_{79}	15.5	X	257.91053	300.15982	65.53046	13.37333	0.3115007	0.23270513	2.6177736	21	5 5.9	20.0
217081 2001 TV_{120}	15.6	X	327.41204	56.80679	265.00257	11.18605	0.2358030	0.23938818	2.5688234	21	6 14.6	18.1
217082 2001 TP_{126}	17.0	X	287.85824	123.83696	221.56831	4.24999	0.1265338	0.23510569	2.5999238	21	6 1.7	20.4
217083 2001 TE_{132}	16.9	X	292.23770	348.77382	328.30863	2.79657	0.1760188	0.23456361	2.6039279	21	4 20.9	20.4
217084 2001 TK_{134}	16.2	X	283.87928	235.03467	131.31397	6.32514	0.3091045	0.23800538	2.5787636	21	5 29.7	20.0
217085 2001 TH_{236}	16.5	X	259.15254	249.92054	118.21563	8.54985	0.2166412	0.23385320	2.6091988	21	5 18.8	20.6
217086 2001 TS_{240}	16.2	X	168.09886	188.03129	243.62469	10.46710	0.0492833	0.22716125	2.6601934	21	5 9.3	19.9
217087 2001 UA_{78}	16.8	X	314.20637	141.80598	179.85356	8.72844	0.1725291	0.23803817	2.5785268	21	6 1.5	19.9
217088 2001 UO_{114}	16.3	X	286.26611	117.32423	215.77404	10.58984	0.2005289	0.23379814	2.6096084	21	5 2.8	19.9
217089 2001 VZ_{18}	16.2	X	233.71152	154.64708	225.46946	10.98521	0.1989120	0.23090676	2.6313480	21	5 9.1	20.4
217090 2001 VD_{44}	15.7	X	233.57078	160.04485	258.40424	12.69732	0.1603905	0.23191572	2.6237105	21	6 28.9	19.7
217091 2001 VX_{56}	15.9	X	293.47761	15.45481	317.96935	7.05873	0.1978985	0.23496241	2.6009807	21	5 9.6	19.5
217092 2001 VY_{64}	16.1	X	20.98769	141.37093	287.26008	4.36315	0.1608793	0.25524292	2.4613134	21	—	—
217093 2001 VD_{75}	15.1	X	180.50881	250.02413	223.95203	24.35929	0.3014975	0.18151647	3.0892901	21	7 12.2	21.2
217094 2001 VY_{91}	15.9	X	281.95140	165.62819	161.45484	11.71696	0.2309354	0.23133666	2.6280870	21	4 19.1	19.9
217095 2001 VO_{107}	16.9	X	280.48776	67.42742	268.79925	2.67612	0.2251212	0.23231803	2.6206806	21	4 25.8	20.9
217096 2001 VX_{122}	15.1	X	210.67601	82.03143	294.29446	29.92110	0.1562787	0.22257790	2.6965886	21	3 29.2	20.2
217097 2001 WA_{33}	16.2	X	209.87412	282.12778	116.50825	5.24399	0.1797807	0.22857468	2.6492156	21	5 13.5	20.6
217098 2001 WH_{39}	15.6	X	215.17992	168.59096	231.02411	11.93917	0.1801359	0.22790162	2.6544289	21	5 18.0	19.8
217099 2001 WH_{69}	16.6	X	263.08066	102.65800	225.66966	10.35444	0.1762249	0.22894048	2.6463929	21	4 1.9	20.8
217100 2001 XQ_{9}	16.2	X	222.09120	83.72326	296.10947	6.11485	0.1791544	0.22678297	2.6631508	21	4 27.0	20.6
217101 2001 XM_{29}	15.4	X	302.70750	164.49674	233.67041	4.80333	0.3132523	0.23838470	2.5760273	21	8 5.0	18.0
217102 2001 XM_{47}	15.7	X	234.59750	335.23016	43.69519	8.50966	0.3317270	0.22744455	2.6579840	21	5 1.3	20.5
217103 2001 XV_{67}	15.5	X	209.37457	118.83556	277.09664	10.37153	0.1952681	0.22432854	2.6825410	21	5 5.4	20.2
217104 2001 XD_{72}	16.4	X	232.05066	251.97626	105.38312	5.30507	0.1928469	0.22727742	2.6592869	21	4 12.6	20.8
217105 2001 XS_{95}	16.3	X	288.48197	74.58116	261.51719	4.56404	0.3728416	0.23417824	2.6067839	21	4 14.9	20.6
217106 2001 XG_{96}	16.5	X	196.16269	137.84515	276.96329	1.53662	0.2173712	0.22715359	2.6602532	21	5 19.3	21.0
217107 2001 XV_{136}	16.5	X	186.92954	123.22629	265.01525	0.86821	0.0817424	0.22184026	2.7025629	21	4 6.8	20.4
217108 2001 XL_{185}	16.2	X	289.44189	138.33318	232.04435	3.37511	0.3197581	0.23551283	2.5969266	21	6 7.8	19.6
217109 2001 XP_{251}	15.6	X	249.74594	107.06183	261.41429	14.43746	0.1744201	0.22784609	2.6548602	21	5 10.1	19.8
217110 2001 YR_{15}	17.4	X	171.36907	332.50554	85.43599	4.54499	0.1711125	0.27362124	2.3498285	21	4 30.3	21.0
217111 2001 YL_{53}	15.5	X	261.46835	64.35329	280.34852	10.34900	0.2160396	0.22735024	2.6587190	21	4 14.8	20.0
217112 2001 YQ_{99}	16.2	X	10.99140	240.27806	94.51523	18.53465	0.2539993	0.24225755	2.5484992	21	11 9.7	19.0
217113 2001 YZ_{104}	15.6	X	70.60174	115.76274	119.45456	13.99324	0.1268616	0.22801865	2.6535206	21	8 28.4	19.2
217114 2001 YH_{115}	15.3	X	266.04587	96.02867	325.46324	5.03624	0.3169532	0.23558238	2.5964154	21	7 20.4	19.2
217115 2001 YD_{117}	16.5	X	75.29997	69.45240	348.37068	2.85403	0.1629632	0.25764264	2.4460062	21	—	—
217116 2001 YN_{132}	15.0	X	294.55928	46.87629	312.23021	11.80193	0.3369053	0.23730762	2.5838160	21	5 24.9	18.9
217117 2001 YG_{139}	15.2	X	212.03063	124.31869	258.49896	15.21544	0.1827329	0.22311534	2.6922565	21	4 20.7	19.9
217118 2001 YD_{156}	15.0	X	183.48427	28.57074	343.80492	9.08401	0.1872430	0.21914994	2.7246359	21	3 17.6	19.4
217119 2002 AK_{12}	16.1	X	195.67892	72.05646	306.12297	7.65499	0.1849745	0.21913471	2.7247621	21	4 1.2	20.8
217120 2002 CN_{8}	16.5	X	199.49775	253.18824	139.24447	10.24860	0.2721525	0.22233438	2.6985572	21	4 28.7	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217121 2002 CA_{115}	14.6	X	136.51208	65.44490	147.80185	27.18272	0.1789991	0.17717349	3.1395704	21	10 13.3	20.2
217122 2002 CV_{162}	16.0	X	259.89635	280.40342	354.23286	7.87638	0.1097787	0.25775485	2.4452962	21	1 28.6	19.6
217123 2002 CU_{251}	16.2	X	290.74043	12.75307	20.15319	3.85317	0.2760156	0.23354989	2.6114574	21	7 18.4	19.4
217124 2002 CQ_{262}	16.2	X	104.14009	244.47285	146.05925	2.64858	0.0721917	0.20403996	2.8575416	21	1 6.1	19.9
217125 2002 CJ_{266}	17.6	X	160.29493	36.90709	6.95348	1.14026	0.1816923	0.26588214	2.3952082	21	4 1.3	21.2
217126 2002 CH_{311}	15.3	X	78.74540	134.97256	139.31358	6.95813	0.2033264	0.17583217	3.1555168	21	10 31.1	20.2
217127 2002 DE_{5}	15.5	X	305.96022	32.16994	32.04740	22.09145	0.0898701	0.23709718	2.5853447	21	10 25.1	18.3
217128 2002 DV_{15}	15.5	X	177.60889	283.33253	320.85942	10.12497	0.0889461	0.18953347	3.0015490	21	12 21.8	20.3
217129 2002 EX_{46}	16.3	X	47.77036	89.30891	46.99881	9.78766	0.1780732	0.25781409	2.4449217	21	3 4.4	18.6
217130 2002 EH_{103}	16.7	X	31.66863	275.76793	0.03117	6.37281	0.1363499	0.27229299	2.3574640	21	8 30.2	19.0
217131 2002 EO_{105}	17.2	X	117.81128	34.13960	44.81884	2.61361	0.1757713	0.26178847	2.4201134	21	4 2.1	20.4
217132 2002 ED_{132}	15.1	X	74.17626	109.69356	169.35875	11.26997	0.1061415	0.17674323	3.1446636	21	10 19.5	19.6
217133 2002 FC_{40}	15.3	X	206.16049	249.59005	316.60417	7.25919	0.0426381	0.18618625	3.0374163	21	12 9.6	19.8
217134 2002 GS_{62}	17.3	X	273.27710	332.92192	142.81176	1.31134	0.1762447	0.28513146	2.2861565	21	11 10.9	19.6
217135 2002 GE_{100}	15.1	X	67.18679	147.95636	202.13295	9.78577	0.0308759	0.18548564	3.0450600	21	12 24.2	19.5
217136 2002 GT_{109}	16.9	X	282.14527	7.15157	101.02031	12.39031	0.0916942	0.28405053	2.2919527	21	11 29.6	19.4
217137 2002 GH_{133}	17.6	X	267.67682	68.21406	221.43910	4.23598	0.1676364	0.30386481	2.1912021	21	2 9.1	20.8
217138 2002 GA_{156}	15.1	X	128.45623	73.90444	170.08237	10.31426	0.0865172	0.17841165	3.1250280	21	11 3.2	19.9
217139 2002 GY_{168}	17.1	X	239.97804	86.20725	210.00601	4.64228	0.2018022	0.29985056	2.2107152	21	1 22.7	20.8
217140 2002 GL_{177}	15.3	X	68.00479	113.88132	178.64036	9.44160	0.0745017	0.17551878	3.1592718	21	10 23.4	19.7
217141 2002 GT_{180}	15.5	X	64.48284	204.71238	153.78169	10.53895	0.0598943	0.18666608	3.0322088	21	—	—
217142 2002 JY_{74}	17.3	X	229.51969	25.47854	232.32211	4.00626	0.1645265	0.29300204	2.2450307	21	—	—
217143 2002 LK_{11}	17.3	X	209.66846	142.09721	107.26574	5.79519	0.2069020	0.28770289	2.2725140	21	—	—
217144 2002 LD_{48}	17.0	X	173.50110	359.26200	293.69387	5.98452	0.2414209	0.28439105	2.2901228	21	—	—
217145 2002 ML_{2}	17.0	X	156.48707	44.05791	280.81519	5.51648	0.2744041	0.28427424	2.2907501	21	—	—
217146 2002 NJ	17.3	X	136.61699	139.88339	193.14210	3.21320	0.2495779	0.28271142	2.2991844	21	—	—
217147 2002 NA_{18}	16.6	X	163.37195	161.21153	133.54544	9.33698	0.2173024	0.28355549	2.2946195	21	—	—
217148 2002 NH_{26}	16.3	X	146.36972	151.91098	143.49016	24.35016	0.1818055	0.27874849	2.3209246	21	—	—
217149 2002 NL_{34}	16.7	X	155.02525	37.96570	263.02174	4.84456	0.1752145	0.28176541	2.3043278	21	—	—
217150 2002 NU_{51}	16.8	X	190.95043	2.33026	295.08545	6.14050	0.1480072	0.28698412	2.2763069	21	—	—
217151 2002 NX_{52}	17.2	X	179.64568	140.13112	123.78160	5.88589	0.2336267	0.28211700	2.3024129	21	—	—
217152 2002 NX_{59}	16.9	X	203.29328	25.12550	257.30941	5.69221	0.1296486	0.28696836	2.2763902	21	—	—
217153 2002 OD_{13}	17.0	X	185.61353	32.92155	217.59314	7.12966	0.1748539	0.28156953	2.3053964	21	—	—
217154 2002 OZ_{21}	16.6	X	141.39074	349.15300	328.14075	7.69325	0.1833472	0.28090709	2.3090194	21	—	—
217155 2002 OX_{29}	17.9	X	169.90453	7.92313	268.55488	5.23895	0.1728833	0.28166192	2.3048922	21	—	—
217156 2002 PP_{18}	16.1	X	26.19661	337.72505	305.76677	7.46017	0.1052749	0.20889671	2.8130772	21	8 18.8	19.5
217157 2002 PA_{19}	16.6	X	91.62192	93.91437	289.25784	6.28000	0.1248984	0.28222656	2.3018170	21	—	—
217158 2002 PU_{32}	16.6	X	152.19803	44.84838	310.24667	6.11436	0.2053856	0.28593764	2.2818574	21	1 21.5	19.7
217159 2002 PV_{71}	17.3	X	164.70826	62.93878	244.72236	5.23997	0.1790276	0.28351506	2.2948376	21	—	—
217160 2002 PB_{84}	16.8	X	97.63954	49.60417	336.28531	5.51195	0.2963204	0.27947330	2.3169100	21	1 5.6	18.8
217161 2002 PL_{88}	16.7	X	59.40229	225.39219	163.00082	4.91739	0.1566542	0.27576089	2.3376578	21	—	—
217162 2002 PW_{96}	16.6	X	106.63179	246.77736	115.51735	6.48183	0.1926733	0.27965477	2.3159076	21	—	—
217163 2002 PJ_{103}	17.3	X	133.82627	99.10927	262.40802	5.78293	0.2155114	0.28385599	2.2929997	21	1 9.6	20.1
217164 2002 PK_{122}	17.1	X	164.56581	41.48897	224.64879	4.02571	0.1281207	0.27866156	2.3214073	21	—	—
217165 2002 PG_{127}	16.7	X	73.42707	106.77907	272.16832	2.01068	0.1846166	0.27693171	2.3310643	21	—	—
217166 2002 PW_{141}	16.0	X	226.46317	65.96757	150.63441	22.34999	0.2115012	0.28280523	2.2986760	21	—	—
217167 2002 PH_{155}	15.7	X	104.18284	265.72896	89.74028	1.96233	0.1607835	0.17533629	3.1614635	21	—	—
217168 2002 QH_{3}	16.6	X	136.80568	93.27608	193.52995	5.99662	0.1354661	0.27603995	2.3360820	21	—	—
217169 2002 QA_{10}	17.2	X	103.05136	104.80331	230.47332	6.21194	0.1283113	0.27532221	2.3401402	21	—	—
217170 2002 QL_{28}	17.4	X	122.70515	218.67671	119.00205	6.38661	0.2289856	0.28115335	2.3076709	21	—	—
217171 2002 QR_{71}	17.4	X	184.13562	304.44089	326.88098	6.29887	0.0878783	0.28063634	2.3105043	21	—	—
217172 2002 QG_{108}	17.4	X	64.32232	231.58400	186.87579	1.08189	0.1945445	0.28054661	2.3109969	21	—	—
217173 2002 QA_{125}	17.4	X	147.67367	159.20011	121.34198	7.11476	0.0967907	0.27701351	2.3306054	21	—	—
217174 2002 RM_{32}	17.0	X	112.12814	157.57720	189.57299	5.99908	0.1253694	0.27772324	2.3266331	21	—	—
217175 2002 RE_{42}	17.3	X	134.53030	229.32929	79.42821	2.32024	0.2293674	0.27819356	2.3240100	21	—	—
217176 2002 RG_{55}	17.1	X	95.14416	103.67180	232.97218	3.87600	0.2439559	0.27433816	2.3457330	21	—	—
217177 2002 RL_{59}	16.4	X	86.52854	59.21742	311.83491	6.13951	0.1252809	0.27648112	2.3335963	21	—	—
217178 2002 RF_{68}	16.8	X	110.38351	38.54573	271.18607	5.09820	0.2051880	0.27449614	2.3448328	21	—	—
217179 2002 RW_{85}	17.1	X	102.88042	196.78969	116.99500	1.25924	0.2353046	0.27287355	2.3541190	21	—	—
217180 2002 RT_{99}	17.0	X	32.75709	221.32222	166.41595	5.45569	0.2215717	0.26846588	2.3798157	21	—	—
217181 2002 RX_{101}	16.9	X	67.78497	16.03978	318.89385	1.79566	0.2418784	0.26792006	2.3830468	21	—	—
217182 2002 RD_{104}	16.3	X	94.51845	288.33897	20.10057	10.75380	0.2630539	0.26997638	2.3709308	21	—	—
217183 2002 RN_{181}	16.4	X	84.26437	117.49775	193.42033	12.60323	0.2391541	0.27037416	2.3686048	21	12 30.9	20.5
217184 2002 RF_{204}	16.9	X	129.64121	140.34382	171.32996	9.57738	0.1354150	0.27754582	2.3276245	21	—	—
217185 2002 RZ_{225}	16.4	X	126.78850	55.57182	235.02118	5.80110	0.1242560	0.27291250	2.3538951	21	—	—
217186 2002 RL_{245}	17.2	X	122.85656	82.70603	273.24963	1.87298	0.1989025	0.28135516	2.3065673	21	—	—
217187 2002 SC_{4}	16.5	X	77.63064	84.53176	273.06488	3.79245	0.2512474	0.27305339	2.3530853	21	—	—
217188 2002 SE_{6}	16.8	X	13.54462	294.74431	106.74392	2.14033	0.1815484	0.26784792	2.3834746	21	—	—
217189 2002 SX_{56}	16.5	X	18.36377	282.42051	110.71727	5.58635	0.1857338	0.26695934	2.3887607	21	—	—
217190 2002 SM_{67}	16.9	X	80.53012	250.90014	119.26414	7.07371	0.1196664	0.27699036	2.3307353	21	—	—
217191 2002 TP_{2}	16.9	X	70.68939	153.59756	197.11007	1.74406	0.1641126	0.27072027	2.3665855	21	—	—
217192 2002 TS_{29}	16.9	X	70.25886	180.53630	194.10370	1.67260	0.2151142	0.27240740	2.3568039	21	—	—
217193 2002 TS_{61}	15.2	X	130.57719	147.30599	264.19985	8.19995	0.0852772	0.18213217	3.0823239	21	3 6.1	19.9
217194 2002 TR_{71}	16.3	X	339.02039	101.10450	331.36253	6.58522	0.0730152	0.26684264	2.3894570	21	—	—
217195 2002 TG_{83}	17.0	X	93.78349	244.21410	129.68777	6.29031	0.2373503	0.27741522	2.3283550	21	—	—
217196 2002 TY_{110}	14.1	X	155.36953	38.79240	306.34269	7.97850	0.1823806	0.12427996	3.9768144	21	2 2.4	20.4
217197 2002 TF_{135}	15.3	X	160.20271	349.88804	331.39091	9.58717	0.0718635	0.17415338	3.1757632	21	—	—
217198 2002 TQ_{141}	16.0	X	54.44936	204.75161	200.48721	10.58088	0.1781208	0.27422988	2.3463504	21	—	—
217199 2002 TO_{155}	16.9	X	175.85340	21.90352	278.58260	6.93448	0.1946043	0.28238504	2.3009557	21	—	—
217200 2002 TR_{167}	15.9	X	153.60540	19.39944	303.31193	11.38353	0.1525364	0.28017151	2.3130591	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217201 2002 TM_{186}	16.5	X	50.25566	121.83976	273.99786	2.43941	0.1608669	0.27276515	2.3547427	21	—	—
217202 2002 TP_{198}	16.3	X	76.97052	358.16101	325.19708	6.83708	0.1412312	0.26796229	2.3827964	21	—	—
217203 2002 TV_{210}	16.7	X	46.93019	0.16649	352.66489	2.40471	0.1974206	0.26661409	2.3908224	21	—	—
217204 2002 TD_{220}	16.4	X	33.76021	98.47967	277.11437	4.96197	0.2003872	0.26745126	2.3858307	21	—	—
217205 2002 TE_{223}	16.8	X	106.48704	298.24385	14.48964	1.20863	0.1604862	0.27075203	2.3664004	21	—	—
217206 2002 TG_{224}	17.2	X	59.68559	63.47432	316.52052	1.89470	0.1928804	0.27098091	2.3650677	21	—	—
217207 2002 TF_{233}	15.7	X	219.87952	33.94395	254.23760	11.52328	0.1146949	0.23129572	2.6283971	21	1 5.9	19.9
217208 2002 TV_{256}	14.8	X	155.70840	172.24781	182.76842	2.63312	0.2639964	0.12441752	3.9738825	21	2 17.7	21.3
217209 2002 TM_{264}	15.6	X	24.23585	139.90382	224.04647	22.28250	0.2897606	0.26368289	2.4085079	21	—	—
217210 2002 TC_{295}	15.8	X	136.73167	330.57917	357.24865	13.06324	0.2609229	0.27680706	2.3317641	21	—	—
217211 2002 TQ_{351}	17.4	X	92.76617	119.83014	219.61501	6.49661	0.1302032	0.27471042	2.3436134	21	—	—
217212 2002 TA_{376}	16.1	X	86.90699	7.10894	309.28611	6.37692	0.1232452	0.26668857	2.3903773	21	—	—
217213 2002 UC_3	15.5	X	313.85041	303.51125	121.53965	22.48752	0.2791604	0.25823193	2.4422836	21	11 11.9	17.8
217214 2002 UK_{26}	16.6	X	91.12836	204.72124	133.33391	6.79774	0.2436251	0.27188818	2.3598034	21	—	—
217215 2002 UN_{74}	16.5	X	62.20473	97.29499	191.05524	5.91740	0.1259120	0.25839361	2.4412647	21	10 28.9	19.6
217216 2002 VR_{26}	15.5	X	112.49499	251.80646	231.32476	15.77007	0.1960332	0.18206772	3.0830513	21	5 30.6	20.2
217217 2002 VD_{28}	15.7	X	249.68010	330.11513	84.91060	3.06391	0.0482531	0.24786701	2.5099028	21	7 29.0	18.9
217218 2002 VY_{28}	16.7	X	25.44396	141.00307	263.50308	1.43147	0.2147933	0.26751866	2.3854299	21	—	—
217219 2002 VH_{29}	15.8	X	313.92032	261.45946	140.58148	6.68951	0.1388619	0.25579357	2.4577798	21	10 9.0	18.2
217220 2002 VM_{58}	16.7	X	12.28419	278.57785	112.63256	3.11324	0.2172670	0.26337697	2.4103726	21	—	—
217221 2002 VB_{84}	16.8	X	12.06485	257.54537	134.72043	5.17472	0.1863620	0.26320484	2.4114234	21	—	—
217222 2002 VQ_{86}	15.9	X	49.18265	25.66128	34.28974	15.10851	0.0794905	0.22009791	2.7168069	21	—	—
217223 2002 VR_{109}	17.2	X	30.95898	73.91730	298.64296	2.49985	0.2578831	0.26465868	2.4025842	21	—	—
217224 2002 XR_5	15.7	X	331.59606	359.92567	110.73848	10.71456	0.1109802	0.21392543	2.7688182	21	—	—
217225 2002 XW_{14}	16.7	X	52.13341	216.33674	140.83333	5.34322	0.1682505	0.26702746	2.3883544	21	—	—
217226 2002 XX_{51}	16.4	X	353.67543	269.68544	107.54766	3.56939	0.2082278	0.25810018	2.4431146	21	11 26.7	18.4
217227 2002 XC_{61}	16.7	X	0.50319	83.72167	278.42283	1.89578	0.2132941	0.25744915	2.4472316	21	11 17.3	18.8
217228 2003 AL_{42}	17.0	X	219.88667	332.22661	292.21133	19.21533	0.0513167	0.37225738	1.9138468	21	—	—
217229 2003 AJ_{86}	15.9	X	305.42608	274.31380	116.56798	9.25199	0.1100754	0.25267269	2.4779765	21	9 8.8	18.6
217230 2003 BX_{43}	16.6	X	21.70549	217.95490	9.35205	6.35859	0.0912084	0.28240551	2.3008445	21	5 16.1	18.8
217231 2003 BY_{46}	15.9	X	320.39741	52.19285	348.55377	2.72084	0.2620378	0.25304848	2.4755226	21	10 5.3	17.2
217232 2003 BU_{48}	16.9	X	12.04500	177.13923	321.61378	1.60041	0.1633982	0.26911680	2.3759767	21	—	—
217233 2003 BT_{61}	16.7	X	278.91884	77.27376	141.76729	22.83818	0.0589162	0.37599212	1.9011522	21	—	—
217234 2003 EK_{47}	17.1	X	102.78501	131.65944	301.46622	16.04815	0.0577603	0.37927856	1.8901540	21	1 16.8	18.2
217235 2003 FD_{12}	16.2	X	328.61590	302.48491	250.32336	1.43456	0.0141032	0.21124333	2.7922055	21	1 25.9	20.1
217236 2003 FQ_{78}	16.4	X	231.51474	309.85321	296.93506	1.75317	0.1699644	0.25635760	2.4541734	21	—	—
217237 2003 GD_{37}	16.5	X	146.13682	148.19552	159.93599	24.85127	0.0769125	0.36172424	1.9508220	21	—	—
217238 2003 HT_5	15.7	X	333.16464	317.94743	173.64718	15.32079	0.0941091	0.20281439	2.8690418	21	—	—
217239 2003 HL_{21}	17.0	X	359.23482	173.06001	69.10096	1.64129	0.1844900	0.27353326	2.3503324	21	4 22.2	18.7
217240 2003 HQ_{58}	16.2	X	92.83099	203.24657	101.12679	4.59777	0.2013354	0.18569756	3.0427429	21	12 16.6	21.1
217241 2003 KK_{15}	15.6	X	126.04677	120.22712	182.98901	9.46375	0.1144908	0.18912384	3.0058815	21	—	—
217242 2003 KY_{16}	15.1	X	88.86277	122.45065	136.77435	17.66916	0.2077692	0.17802207	3.1295854	21	10 27.7	20.3
217243 2003 MU_2	15.1	X	75.30806	116.12615	128.34290	26.47797	0.2438078	0.17502720	3.1651844	21	10 1.8	20.2
217244 2003 ML_7	15.2	X	64.73875	84.06079	199.45434	15.22498	0.2457732	0.17538105	3.1609256	21	10 31.1	19.9
217245 2003 OD_{12}	14.3	X	69.61439	28.80789	261.96395	19.10024	0.0984608	0.17201779	3.2019937	21	10 18.9	19.2
217246 2003 PH_{10}	15.1	X	347.33966	211.72851	141.87435	13.34525	0.0274049	0.16868185	3.2440719	21	9 19.2	19.6
217247 2003 QF	16.5	X	199.39174	175.88731	188.81270	2.61445	0.2277193	0.19993375	2.8965341	21	3 24.6	21.6
217248 2003 SG_{123}	15.4	X	68.23496	343.40244	35.70638	2.01557	0.1085734	0.17915026	3.1164328	21	—	—
217249 2003 SQ_{305}	15.0	X	309.36731	225.35209	241.69800	8.13876	0.0428761	0.17487868	3.1669762	21	12 15.0	19.2
217250 2003 TP_{11}	16.7	X	311.84475	33.42828	308.33169	1.57971	0.2087974	0.26608210	2.3940080	21	6 18.6	19.0
217251 2003 UM_{25}	16.5	X	308.07018	69.15111	240.01473	7.02646	0.2694805	0.31566364	2.1362546	21	4 6.4	19.0
217252 2003 US_{118}	17.9	X	300.26565	31.65567	286.34142	2.05751	0.1754822	0.31745270	2.1282209	21	4 25.3	20.4
217253 2003 UK_{153}	15.6	X	123.20243	34.50497	256.87017	12.83196	0.1390714	0.23240526	2.6200249	21	12 30.6	19.9
217254 2003 UT_{191}	15.7	X	257.20634	240.71168	18.83075	13.96109	0.1799546	0.24251942	2.5466643	21	1 5.2	20.1
217255 2003 UB_{277}	16.6	X	242.48904	275.39031	58.40312	4.09008	0.2233712	0.30796014	2.1717327	21	3 14.4	20.1
217256 2003 UR_{315}	16.6	X	306.40240	244.70564	114.03326	3.57709	0.0396405	0.26690222	2.3891014	21	8 1.7	19.4
217257 Valemangano	17.8	X	267.41512	101.85699	213.44314	5.41040	0.3669855	0.31208468	2.1525558	21	2 26.7	21.6
217258 2003 WE_{41}	17.6	X	144.39544	119.48971	306.65495	2.01094	0.1277052	0.30245119	2.1980244	21	4 3.8	20.5
217259 2003 WP_{43}	15.7	X	74.34218	76.82162	352.98733	10.01067	0.1453393	0.18149930	3.0894849	21	2 1.3	19.6
217260 2003 WK_{120}	16.8	X	105.03058	132.80574	295.74678	4.31018	0.0725606	0.29559281	2.2318935	21	2 5.2	19.0
217261 2003 XZ_{28}	16.7	X	216.75009	26.04257	251.88865	4.40014	0.1272972	0.29200508	2.2501378	21	—	—
217262 2003 YN_3	17.0	X	201.65890	82.74058	291.92097	6.29616	0.3029884	0.30415355	2.1898152	21	3 27.9	21.0
217263 2003 YE_{51}	16.3	X	275.21876	216.30124	280.37955	6.09051	0.0619169	0.27351261	2.3504507	21	12 27.2	18.9
217264 2003 YP_{58}	15.5	X	195.62017	145.14514	255.78105	6.28479	0.1510128	0.19335587	2.9618597	21	5 3.1	20.4
217265 2003 YP_{66}	15.0	X	87.20648	106.60040	311.18890	25.13285	0.2758149	0.17520858	3.1629996	21	2 15.9	19.3
217266 2003 YR_{67}	17.3	X	232.40502	197.05724	87.14076	3.84050	0.1150377	0.29463284	2.2367388	21	1 3.7	20.6
217267 2003 YX_{68}	16.2	X	182.37783	252.05897	200.80817	6.02822	0.0977652	0.25611810	2.4557032	21	6 23.8	19.9
217268 2003 YE_{75}	17.0	X	41.24304	164.50619	296.09294	6.29943	0.1120280	0.28906407	2.2653743	21	—	—
217269 2003 YO_{88}	16.2	X	215.23716	70.21991	304.55236	3.35961	0.2152761	0.30366676	2.1921548	21	4 9.2	19.7
217270 2003 YZ_{101}	16.7	X	134.63892	254.58613	115.08277	7.77462	0.1236222	0.28977435	2.2616709	21	1 6.9	19.2
217271 2003 YK_{147}	15.7	X	21.76097	90.69059	326.12530	11.69120	0.1650665	0.22494670	2.6776242	21	—	—
217272 2004 AQ_2	16.5	X	191.95961	90.98365	127.90056	7.91781	0.0647694	0.27061520	2.3671980	21	12 23.3	19.6
217273 2004 BZ_{22}	15.5	X	78.31877	315.57263	313.27901	12.91258	0.2582790	0.25664507	2.4523404	21	10 31.1	19.6
217274 2004 BE_{51}	16.0	X	85.83779	275.86518	308.16884	5.35990	0.0954947	0.25231089	2.4803448	21	8 25.8	19.2
217275 2004 BC_{99}	16.8	X	141.64671	54.23966	135.04881	9.06941	0.1096920	0.25216958	2.4812713	21	9 18.8	20.5
217276 2004 BO_{129}	17.2	X	87.93912	45.93020	209.18726	1.25517	0.1527231	0.25862098	2.4398336	21	10 18.2	20.6
217277 2004 CD_{53}	17.0	X	71.09467	57.93132	304.66917	4.86686	0.1338461	0.27549274	2.3391744	21	—	—
217278 2004 DR_{16}	16.4	X	3.30633	278.53393	309.99834	23.07817	0.2035944	0.23665016	2.5885994	21	3 26.9	19.6
217279 2004 DF_{23}	15.4	X	304.05227	261.06290	321.48408	25.96321	0.2396674	0.22395733	2.6855043	21	1 6.2	19.8
217280 2004 DF_{28}	17.1	X	208.63422	274.86557	258.38651	1.99432	0.1591405	0.26416148	2.4055980	21	11 1.3	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217281 2004 DU_{71}	15.2	X	141.79815	343.98866	123.80950	22.26177	0.1262082	0.18343354	3.0677283	21	6 8.2	20.3
217282 2004 EX_{5}	16.3	X	279.29083	108.23980	133.75713	5.29739	0.2631829	0.22156184	2.7048264	21	—	—
217283 2004 EJ_{17}	15.5	X	100.90925	89.98042	49.01259	10.77080	0.1173831	0.18115881	3.0933549	21	5 26.4	19.9
217284 2004 EH_{25}	16.4	X	300.16410	112.99481	171.53011	11.74880	0.2629573	0.23117214	2.6293338	21	3 8.5	20.0
217285 2004 EP_{92}	17.0	X	358.23695	198.17188	247.17132	1.69274	0.1300669	0.27304840	2.3531139	21	—	—
217286 2004 FP_{58}	16.8	X	336.00309	100.13724	162.67226	4.17709	0.1391451	0.23459059	2.6037282	21	4 20.1	19.6
217287 2004 FO_{62}	15.9	X	187.98096	46.10295	50.65115	3.56558	0.1107824	0.18887274	3.0085451	21	7 5.6	20.5
217288 2004 FT_{97}	15.1	X	156.21128	63.35217	35.49444	16.87857	0.0992138	0.18445142	3.0564318	21	6 1.9	20.0
217289 2004 FD_{129}	15.8	X	232.32633	121.92979	132.23593	13.76707	0.1647196	0.21486324	2.7607556	21	—	—
217290 2004 FF_{129}	15.9	X	269.31122	300.34021	17.14087	17.95459	0.2868585	0.22912053	2.6450063	21	3 21.7	20.3
217291 2004 GW_{14}	15.7	X	327.88989	289.66919	317.84280	11.68468	0.1420915	0.22822162	2.6519472	21	3 10.9	19.1
217292 2004 GU_{30}	15.8	X	291.88852	79.01336	188.95798	5.09442	0.1689029	0.22334184	2.6904360	21	2 18.9	19.7
217293 2004 GB_{31}	16.4	X	287.87776	88.30993	194.76046	11.09453	0.1722539	0.22606539	2.6687834	21	3 3.4	20.4
217294 2004 GS_{42}	16.5	X	273.05515	239.02303	45.99490	5.29552	0.2014455	0.22435768	2.6823087	21	2 20.5	20.7
217295 2004 HG_{5}	16.0	X	252.64053	85.27915	202.87309	11.28658	0.1951439	0.22008028	2.7169520	21	2 1.6	20.7
217296 2004 HK_{44}	16.9	X	112.70167	314.44930	280.74853	3.91171	0.0828448	0.30716416	2.1754830	21	10 16.8	19.7
217297 2004 HD_{78}	16.3	X	298.34411	133.63554	132.94784	12.30003	0.1404477	0.22372892	2.6873318	21	3 4.0	20.1
217298 2004 JY_{4}	15.7	X	344.18398	344.12020	345.05856	18.67248	0.2430280	0.24019420	2.5630734	21	8 16.7	17.6
217299 2004 JQ_{10}	15.7	X	253.20950	167.23141	106.79290	10.84858	0.2076687	0.21799585	2.7342438	21	1 19.6	20.2
217300 2004 JC_{12}	15.8	X	315.05240	16.20694	248.96270	8.27266	0.2200903	0.22798177	2.6538068	21	3 4.2	19.5
217301 2004 JQ_{12}	16.3	X	220.31579	103.02542	205.40452	7.54056	0.2900690	0.21403017	2.7679148	21	1 30.5	21.5
217302 2004 JJ_{22}	15.5	X	210.36615	297.20939	35.32174	10.89622	0.2774169	0.21759773	2.7375779	21	2 27.0	20.6
217303 2004 JB_{24}	15.8	X	303.21843	84.72580	225.61175	17.88930	0.1196199	0.23289508	2.6163500	21	5 6.9	18.9
217304 2004 JT_{30}	17.2	X	244.70137	169.64330	102.08051	3.60816	0.2052336	0.27233292	2.3572336	21	1 2.1	21.1
217305 2004 JA_{34}	15.7	X	234.67925	230.30137	80.52191	14.36334	0.1994762	0.21807111	2.7336146	21	2 21.7	20.5
217306 2004 LF_{3}	15.9	X	199.99074	173.60606	126.50366	9.05829	0.2027097	0.20972848	2.8056346	21	1 8.6	20.6
217307 2004 LM_{6}	15.6	X	252.15686	79.43237	252.22970	10.22002	0.2082748	0.22371088	2.6874763	21	3 22.2	20.2
217308 2004 MK_{3}	15.1	X	167.71339	82.01451	240.99071	16.64692	0.2857075	0.20227016	2.8741858	21	1 11.5	20.3
217309 2004 NR_{19}	17.1	X	229.44634	209.92944	146.18166	6.91665	0.2584012	0.27524225	2.3405934	21	4 2.3	21.2
217310 2004 NB_{20}	15.9	X	181.92747	171.15694	139.23626	16.09146	0.1349475	0.20460289	2.8522978	21	1 3.4	20.6
217311 2004 OH_{6}	14.6	X	319.82866	288.67569	124.11379	27.45197	0.1195549	0.17597295	3.1538336	21	10 31.1	19.1
217312 2004 PP_{11}	15.9	X	125.12823	198.71723	142.51744	3.45340	0.1777041	0.19751183	2.9201644	21	—	—
217313 2004 PL_{15}	15.1	X	16.29069	178.56367	137.98312	14.65848	0.1557975	0.17504081	3.1650203	21	9 24.1	19.0
217314 2004 PQ_{35}	15.0	X	96.89166	286.56406	339.15510	20.85546	0.1661978	0.18240798	3.0792161	21	10 22.8	20.2
217315 2004 PW_{39}	17.1	X	253.26672	139.58142	153.70318	19.91883	0.0917452	0.38578823	1.8688312	21	1 20.5	19.5
217316 2004 PX_{52}	15.1	X	85.81338	228.88245	136.69410	12.21998	0.1353497	0.19250428	2.9705883	21	—	—
217317 2004 PR_{57}	15.8	X	59.54765	220.08843	151.41779	9.83806	0.1977282	0.18973156	2.9994595	21	—	—
217318 2004 PM_{67}	15.3	X	94.99250	159.61986	201.47460	11.54611	0.0665292	0.19467651	2.9484494	21	—	—
217319 2004 PD_{68}	15.7	X	87.31414	150.57224	174.91218	9.24763	0.1497997	0.18865062	3.0109062	21	12 31.2	20.5
217320 2004 PD_{78}	15.3	X	77.31442	57.97889	294.92388	9.45347	0.0773064	0.19098933	2.9862763	21	—	—
217321 2004 PR_{88}	16.9	X	162.63192	26.49110	209.39919	6.29972	0.1143115	0.30561889	2.1828099	21	12 14.1	19.9
217322 2004 PN_{102}	15.1	X	25.18015	63.23868	286.62105	5.71360	0.0848779	0.17986981	3.1081159	21	11 6.1	19.2
217323 2004 PV_{108}	15.4	X	78.82392	145.84132	152.32633	11.46143	0.1894698	0.18230222	3.0804068	21	11 27.3	20.3
217324 2004 QY_{13}	14.4	X	63.38261	0.07013	261.46312	24.11279	0.2093494	0.17888631	3.1194975	21	9 14.9	19.3
217325 2004 RB_{43}	15.3	X	119.52676	357.15460	320.72772	9.40433	0.0886186	0.19177219	2.9781436	21	—	—
217326 2004 RT_{50}	15.8	X	51.45088	192.85097	149.02426	6.70847	0.1572620	0.18296162	3.0730011	21	12 13.6	20.1
217327 2004 RN_{51}	15.8	X	57.66524	242.17748	85.29169	2.31835	0.2014390	0.18252572	3.0778917	21	12 8.8	20.3
217328 2004 RV_{62}	15.5	X	125.34239	87.66342	188.48236	4.81392	0.1805299	0.18672893	3.0315284	21	12 10.9	20.6
217329 2004 RS_{66}	14.7	X	38.26955	306.59376	1.44073	15.82283	0.1966921	0.17654557	3.1470103	21	10 15.7	18.8
217330 2004 RU_{69}	15.8	X	92.80575	173.26486	156.83748	10.88752	0.1261568	0.18825110	3.0151646	21	—	—
217331 2004 RE_{73}	15.6	X	222.84389	1.94963	11.06224	13.48097	0.1657449	0.21414297	2.7669427	21	4 20.3	20.2
217332 2004 RS_{79}	15.5	X	10.55117	231.09531	166.06832	11.24499	0.1118673	0.18227206	3.0807466	21	12 20.1	19.6
217333 2004 RX_{80}	16.1	X	72.17973	53.31807	312.07996	3.29226	0.1635746	0.18878214	3.0095076	21	—	—
217334 2004 RY_{81}	15.3	X	28.12584	141.61711	201.37631	10.25517	0.0964084	0.17627356	3.1502470	21	11 5.3	19.4
217335 2004 RG_{87}	15.2	X	52.74456	42.99594	263.63615	8.13115	0.0889435	0.17708478	3.1406187	21	10 19.3	19.7
217336 2004 RB_{93}	16.2	X	199.12132	195.97713	194.13352	11.64938	0.3498464	0.21259575	2.7803513	21	4 23.2	21.5
217337 2004 RB_{140}	16.2	X	55.99372	228.34957	122.23743	5.98003	0.2274061	0.18405842	3.0607810	21	—	—
217338 2004 RM_{150}	16.0	X	53.71735	219.37546	161.38779	2.14056	0.1647352	0.18714097	3.0270770	21	—	—
217339 2004 RD_{153}	15.4	X	46.64727	166.41715	231.89919	7.08855	0.0836116	0.19020527	2.9944773	21	—	—
217340 2004 RZ_{174}	15.1	X	41.19041	134.81622	273.97898	9.03032	0.0600059	0.19226539	2.9730484	21	—	—
217341 2004 RT_{179}	14.8	X	259.58189	216.94022	264.26218	8.08591	0.0280478	0.17933701	3.1142688	21	10 30.5	19.3
217342 2004 RX_{180}	15.6	X	75.73728	66.73468	231.69730	4.19352	0.1562342	0.18151933	3.0892576	21	11 18.1	20.2
217343 2004 RX_{186}	14.9	X	84.10854	356.29619	302.28271	8.53498	0.0858143	0.18088651	3.0964585	21	11 16.7	19.5
217344 2004 RV_{188}	15.2	X	67.83486	67.49447	246.71691	8.24464	0.0924752	0.17992652	3.1074627	21	11 19.5	19.7
217345 2004 RR_{195}	15.0	X	96.48764	358.80431	354.63283	10.16688	0.1085270	0.18802378	3.0175943	21	—	—
217346 2004 RV_{197}	15.3	X	286.83117	261.46617	200.55223	10.15233	0.0513136	0.17890533	3.1192764	21	11 10.6	19.6
217347 2004 RE_{202}	15.3	X	136.59757	27.26753	271.45910	9.80741	0.0460265	0.19066794	2.9896311	21	—	—
217348 2004 RA_{213}	14.9	X	2.21535	67.73368	305.69905	15.91963	0.1857761	0.17724391	3.1387388	21	11 6.9	18.8
217349 2004 RS_{217}	15.0	X	55.47702	29.05698	316.38395	14.92368	0.2091757	0.18181191	3.0859425	21	12 30.2	19.7
217350 2004 RZ_{219}	15.0	X	287.23056	101.08640	312.21592	15.68185	0.0851948	0.16787704	3.2544318	21	8 30.5	19.6
217351 2004 RD_{220}	14.8	X	347.32287	69.82944	307.39520	15.25074	0.1191408	0.17303057	3.1894869	21	10 8.7	19.0
217352 2004 RK_{256}	16.3	X	128.94889	7.92963	293.45752	2.07686	0.1948489	0.19122100	2.9838638	21	—	—
217353 2004 RV_{284}	16.1	X	132.32807	111.28103	146.89749	4.18055	0.2475390	0.18668449	3.0320095	21	11 28.5	21.4
217354 2004 RC_{290}	16.9	X	143.34092	101.29798	289.29317	17.71597	0.1046863	0.38098705	1.8844990	21	1 21.9	18.5
217355 2004 RU_{290}	15.3	X	44.62822	4.85931	341.04060	4.38831	0.1523916	0.18090839	3.0962088	21	12 7.9	19.6
217356 2004 RA_{294}	15.0	X	79.22556	61.86804	269.65370	12.06415	0.2498479	0.18155452	3.0888584	21	—	—
217357 2004 RL_{315}	15.0	X	60.02885	289.66524	83.80948	11.47908	0.1056475	0.18947663	3.0021492	21	—	—
217358 2004 SW_{25}	16.4	X	87.68820	103.24902	202.57936	4.82435	0.1484422	0.23915541	2.5704899	21	12 17.2	20.3
217359 2004 SE_{47}	15.7	X	5.22828	22.50959	327.96372	2.65126	0.1585543	0.17450040	3.1715515	21	10 14.6	19.3
217360 2004 SN_{50}	16.0	X	148.63631	62.34370	21.59695	4.49949	0.0851104	0.21055180	2.7983160	21	5 6.2	20.0

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
217361	2004 TJ_{7}	14.9	X	42.00379	231.48136	93.55320	10.25572	0.2010349	0.17823428	3.1271009	21	11 18.7	19.1
217362	2004 TT_{11}	15.7	X	338.96559	225.82469	195.19337	6.57129	0.1200402	0.17899874	3.1181911	21	12 1.2	19.5
217363	2004 TV_{32}	15.7	X	38.33166	6.10322	336.55627	4.22352	0.1900338	0.17799179	3.1299405	21	11 30.4	19.9
217364	2004 TW_{32}	14.6	X	282.37735	222.11206	205.29781	15.13449	0.0282520	0.17118483	3.2123723	21	9 21.3	19.3
217365	2004 TY_{33}	16.9	X	224.24116	307.47051	78.27745	3.23152	0.2040255	0.27293132	2.3537869	21	5 5.9	20.8
217366	Mayalin	16.8	X	253.06617	278.92212	17.00030	5.25730	0.1171686	0.26582035	2.3955794	21	2 15.2	20.3
217367	2004 TW_{65}	15.3	X	42.54437	148.73669	156.87561	5.45153	0.1328288	0.17424361	3.1746668	21	10 14.9	19.4
217368	2004 TJ_{79}	15.1	X	33.01391	137.34885	225.43445	10.16215	0.0950027	0.17917782	3.1161131	21	12 5.8	19.3
217369	2004 TC_{151}	15.9	X	45.72439	77.87326	266.99717	1.28683	0.1238168	0.17950850	3.1122851	21	12 4.2	20.0
217370	2004 TQ_{166}	16.1	X	68.67900	351.73806	321.44334	1.82202	0.1895269	0.18147659	3.0897427	21	12 1.7	20.8
217371	2004 TM_{169}	15.4	X	14.95758	287.87209	80.59428	4.41162	0.1724220	0.17700334	3.1415820	21	11 26.9	19.1
217372	2004 TN_{171}	15.5	X	59.05744	18.59792	313.36164	16.59743	0.2052153	0.17964431	3.1107163	21	12 16.3	20.3
217373	2004 TZ_{202}	14.7	X	45.62129	102.58324	231.93147	14.51365	0.2464348	0.17633863	3.1494719	21	12 8.3	19.1
217374	2004 TZ_{221}	15.2	X	43.47515	170.15154	145.32804	11.96609	0.2174649	0.17588904	3.1548365	21	11 12.3	19.6
217375	2004 TS_{282}	14.9	X	23.89495	25.44419	293.28762	11.28243	0.1066726	0.17192674	3.2031241	21	9 22.7	19.3
217376	2004 TB_{357}	15.2	X	15.73939	293.70092	87.68425	12.39001	0.1033644	0.17971572	3.1098923	21	12 6.8	19.2
217377	2004 UF_{2}	15.0	X	274.85164	304.11645	145.29639	9.92132	0.0477598	0.17434625	3.1734207	21	10 12.6	19.5
217378	2004 UQ_{2}	14.7	X	333.08036	235.35251	174.25974	21.83954	0.0340541	0.17693651	3.1423731	21	11 10.5	19.3
217379	2004 UK_{4}	14.5	X	57.59419	331.43824	328.01554	17.41165	0.1813502	0.17416000	3.1756828	21	10 23.5	19.3
217380	2004 VE	15.1	X	35.18764	177.84210	152.81989	12.88641	0.2042955	0.17631041	3.1498080	21	11 17.6	19.4
217381	2004 VP_{54}	15.9	X	267.01179	264.52345	208.20246	27.72407	0.3206033	0.22632881	2.6667122	21	9 20.9	20.0
217382	2004 VL_{58}	15.6	X	342.35456	62.59642	318.34490	3.90882	0.1555802	0.17073225	3.2180467	21	10 11.8	19.4
217383	2004 WO_{9}	16.3	X	15.72479	159.69907	255.20090	8.83320	0.0766907	0.29821511	2.2187904	21	—	—
217384	2004 XD_{1}	16.9	X	130.84987	95.06180	266.30054	19.15275	0.0844783	0.36939333	1.9237266	21	—	—
217385	2004 XK_{1}	15.1	X	142.27201	101.37692	304.28537	10.77827	0.1595265	0.19972564	2.8985458	21	3 16.4	19.8
217386	2004 XC_{80}	15.4	X	108.34820	329.90875	85.80720	3.32032	0.2326689	0.19212408	2.9745060	21	3 9.8	19.6
217387	2004 XH_{103}	16.9	X	52.74948	90.24060	301.14781	17.90948	0.0704950	0.35577008	1.9725277	21	—	—
217388	2004 XD_{128}	15.1	X	147.18273	286.79980	98.21599	11.44771	0.0436240	0.19298794	2.9656229	21	2 22.5	19.5
217389	2005 BS_{26}	16.1	X	155.40934	207.65178	326.22748	7.14394	0.1575048	0.21178767	2.7874191	21	9 7.4	20.6
217390	2005 CW_{25}	18.8	X	285.06448	108.95246	148.32370	28.48567	0.4778285	0.47528619	1.6261699	21	—	—
217391	2005 EH_{19}	15.3	X	143.98978	183.77440	171.54871	9.46096	0.0723285	0.17458697	3.1705029	21	1 16.0	20.0
217392	2005 EL_{61}	16.6	X	256.62338	299.17479	302.28415	5.86636	0.1908605	0.29328206	2.2436015	21	—	—
217393	2005 EU_{79}	14.7	X	321.75220	66.64708	91.76769	6.36556	0.1226595	0.17224353	3.1991954	21	—	—
217394	2005 EL_{107}	17.1	X	253.43171	317.41604	321.20319	4.59994	0.1354622	0.29922534	2.2137936	21	1 16.9	20.2
217395	2005 EA_{175}	16.4	X	170.05155	308.54525	334.71044	5.56826	0.1987836	0.28392582	2.2926237	21	—	—
217396	2005 EA_{247}	16.0	X	149.55573	188.83507	152.89614	14.43803	0.0948400	0.23584892	2.5944589	21	—	—
217397	2005 GK_{19}	16.6	X	184.53144	112.02378	199.29966	5.46055	0.2013295	0.28854617	2.2680842	21	—	—
217398	Tihany	17.0	X	159.77030	133.89814	191.30295	6.07844	0.1952234	0.28624603	2.2802182	21	—	—
217399	2005 GV_{112}	17.3	X	153.73095	28.49330	274.38868	3.63086	0.1888831	0.28157373	2.3053735	21	—	—
217400	2005 GT_{179}	15.9	X	3.03529	78.59972	102.28690	31.44502	0.1294164	0.23943896	2.5684602	21	2 12.2	19.2
217401	2005 GY_{223}	17.3	X	135.82967	202.99835	101.19148	4.51036	0.1764988	0.27682247	2.3316776	21	—	—
217402	2005 HP_{5}	17.1	X	199.21303	58.17700	180.52954	2.91851	0.1748827	0.27883163	2.3204632	21	—	—
217403	2005 JG	16.6	X	102.58430	23.41277	242.35108	12.13870	0.1886565	0.26461051	2.4028758	21	11 18.8	20.4
217404	2005 JH_{36}	17.5	X	73.73078	193.32652	120.94296	5.75110	0.1929272	0.26623170	2.3931112	21	12 22.5	21.0
217405	2005 JQ_{61}	17.1	X	120.93137	12.15281	255.24161	1.47493	0.1787604	0.26886599	2.3774540	21	12 7.3	20.9
217406	2005 JN_{79}	17.2	X	136.88427	22.07159	254.17171	1.45225	0.1901207	0.27265959	2.3553504	21	—	—
217407	2005 JX_{88}	15.9	X	314.13920	257.47464	292.14186	11.85814	0.1262570	0.23358675	2.6111826	21	—	—
217408	2005 KW	17.4	X	79.53428	147.23095	173.40159	6.55340	0.1563883	0.26937116	2.3744807	21	—	—
217409	2005 LQ	17.1	X	90.51576	119.16712	171.40584	3.44249	0.1587743	0.26617138	2.3934727	21	12 6.8	20.7
217410	2005 LJ_{46}	16.4	X	170.93810	187.15644	107.07697	10.66343	0.1621335	0.21410403	2.7672782	21	—	—
217411	2005 LD_{50}	16.0	X	50.14552	16.49213	297.45213	10.91419	0.2480784	0.25658509	2.4527226	21	12 1.6	19.6
217412	2005 MT_{1}	15.0	X	151.91905	132.39157	266.48691	25.76076	0.3468414	0.21400126	2.7681641	21	3 22.6	20.5
217413	2005 ND_{87}	17.2	X	307.65927	130.55032	292.99532	1.45324	0.1706431	0.25425257	2.4677007	21	10 21.7	19.5
217414	2005 NE_{96}	15.8	X	283.89453	347.39438	276.42241	10.65587	0.1401406	0.22927685	2.6438039	21	2 5.5	19.7
217415	2005 OA_{12}	15.8	X	172.99122	193.97421	146.88059	5.97935	0.1769175	0.21719242	2.7409826	21	1 31.0	20.2
217416	2005 PW_{3}	16.1	X	341.90794	220.82128	74.99676	7.37977	0.2081718	0.24329408	2.5412556	21	6 9.8	18.2
217417	2005 QB_{7}	16.3	X	318.18152	115.05437	158.45527	10.45335	0.2534109	0.23383074	2.6093659	21	3 19.2	19.5
217418	2005 QG_{39}	16.7	X	285.24130	226.91700	143.23151	13.87213	0.1765231	0.24133359	2.5549998	21	6 24.8	20.3
217419	2005 QV_{83}	16.3	X	273.56084	312.68445	349.06110	12.97679	0.2557999	0.22803797	2.6533708	21	3 5.8	20.7
217420	Olevsk	16.6	X	310.16550	57.15602	276.07072	11.87807	0.2814343	0.23841347	2.5758201	21	5 20.6	19.8
217421	2005 QO_{151}	16.2	X	103.19349	266.74741	172.47687	6.82505	0.0563469	0.21765129	2.7371287	21	3 1.7	19.8
217422	2005 QC_{170}	15.4	X	262.45335	58.09206	267.42452	13.56180	0.0861574	0.22703012	2.6612177	21	4 3.8	19.6
217423	2005 QC_{171}	16.1	X	220.32800	59.43584	292.47164	5.53839	0.1859487	0.22459691	2.6804036	21	3 21.9	20.7
217424	2005 QO_{178}	16.4	X	327.33434	139.28707	137.09286	5.73076	0.0852043	0.23080441	2.6321259	21	5 4.1	19.7
217425	2005 RF	16.1	X	249.48359	209.39170	126.18019	9.04438	0.1029557	0.22828187	2.6514805	21	4 10.4	20.1
217426	2005 RR_{23}	15.7	X	227.75939	15.97025	321.31793	12.71316	0.2288915	0.22234246	2.6984918	21	3 8.5	20.4
217427	2005 RL_{30}	15.7	X	270.47744	208.65637	122.07777	11.34615	0.3187460	0.22886845	2.6469481	21	4 5.6	20.3
217428	2005 RY_{43}	15.9	X	281.47764	50.62438	252.83651	12.37069	0.2591788	0.22788725	2.6545406	21	3 8.0	20.3
217429	2005 RK_{44}	16.1	X	179.88945	76.76480	305.54327	5.30306	0.0366162	0.22122672	2.7075574	21	3 18.5	19.9
217430	2005 SN_{25}	19.6	X	334.17543	45.14332	168.30673	13.01156	0.2704242	0.72258560	1.2299190	21	—	—
217431	2005 ST_{29}	17.0	X	244.10175	81.20820	294.08438	3.40936	0.1436311	0.23055495	2.6340241	21	5 16.6	20.9
217432	2005 SF_{58}	16.7	X	219.62588	185.52605	197.66093	3.83050	0.1395146	0.22586824	2.6703361	21	5 3.8	20.9
217433	2005 SX_{65}	15.2	X	173.14382	307.23745	35.51557	18.43843	0.1346175	0.21313578	2.7756528	21	2 8.6	19.9
217434	2005 SY_{95}	15.6	X	231.88749	243.71249	29.03255	5.18741	0.1287900	0.21308612	2.7760840	21	1 3.8	20.1
217435	2005 SB_{96}	16.4	X	258.48959	168.26257	182.04703	13.90408	0.1427557	0.22985831	2.6393435	21	5 3.3	20.4
217436	2005 SK_{99}	16.1	X	223.90589	27.28116	305.11640	4.20934	0.1163224	0.21995316	2.7179987	21	3 5.6	20.4
217437	2005 SH_{151}	16.3	X	241.31935	117.41240	194.32181	15.10825	0.1317079	0.21994872	2.7180353	21	2 23.1	20.8
217438	2005 SK_{157}	16.9	X	214.05438	52.15090	337.67679	2.97921	0.0806499	0.22847061	2.6500200	21	5 7.3	20.7
217439	2005 SR_{158}	16.3	X	297.98369	70.10828	237.09635	13.45119	0.1465421	0.23143282	2.6273590	21	4 19.0	19.9
217440	2005 SQ_{192}	16.5	X	212.36492	194.61546	128.10209	0.99919	0.0648681	0.21401766	2.7680227	21	2 13.4	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217441 2005 SO_{194}	16.3	X	233.58332	116.80795	178.96737	4.86155	0.0929020	0.21968602	2.7202017	21	1 31.2	20.5
217442 2005 SU_{204}	16.3	X	164.47807	238.81782	149.41357	5.44683	0.1234203	0.21865604	2.7287373	21	3 18.6	20.4
217443 2005 SA_{206}	16.6	X	243.08608	229.29302	159.65207	11.56907	0.1453486	0.23280843	2.6169991	21	6 4.7	20.8
217444 2005 SY_{240}	16.0	X	269.63421	288.66653	336.80044	4.13464	0.0720823	0.21571008	2.7535254	21	2 5.7	19.8
217445 2005 SF_{243}	15.9	X	196.70711	167.01122	163.44190	9.50414	0.0717682	0.21545389	2.7557078	21	2 4.7	20.2
217446 2005 SD_{272}	16.4	X	228.83266	224.48073	128.75997	12.33817	0.1736702	0.22566287	2.6719561	21	4 8.3	20.9
217447 2005 SP_{280}	16.1	X	273.80822	235.41005	136.31639	14.38752	0.2374118	0.23554485	2.5966912	21	6 5.8	20.1
217448 2005 TZ_{4}	16.5	X	308.15709	15.88193	280.05120	4.40113	0.3142764	0.23314665	2.6144676	21	3 22.5	20.2
217449 2005 TX_{5}	16.1	X	261.42407	46.88676	251.63382	7.84987	0.1949342	0.22319982	2.6915771	21	2 20.6	20.6
217450 2005 TG_{56}	16.1	X	212.01210	134.89426	181.37488	4.50857	0.0588464	0.21301980	2.7766602	21	2 4.2	20.3
217451 2005 TG_{104}	15.6	X	246.93257	112.55255	233.62330	10.20870	0.0935517	0.22468907	2.6796706	21	4 16.4	19.5
217452 2005 TL_{165}	16.2	X	123.87421	185.16223	224.27663	5.63512	0.0215877	0.21259410	2.7803656	21	2 12.4	20.2
217453 2005 TH_{172}	15.7	X	303.27894	44.42644	274.18119	11.82739	0.1438097	0.23240959	2.6199923	21	5 12.6	19.2
217454 2005 TC_{175}	16.1	X	242.65330	189.63974	138.65817	12.31769	0.1826798	0.22431222	2.6826711	21	3 19.0	20.5
217455 2005 TL_{180}	16.3	X	329.34733	157.26399	137.33716	7.03459	0.1014842	0.23562419	2.5961082	21	5 30.0	19.4
217456 2005 UA_{42}	16.3	X	156.00360	205.32106	193.10633	5.83204	0.1752057	0.21421315	2.7663384	21	3 25.5	20.8
217457 2005 UY_{45}	16.0	X	189.21574	6.97297	350.10828	1.94444	0.0634695	0.21583921	2.7524271	21	3 2.2	20.0
217458 2005 UC_{109}	15.3	X	74.34881	133.45009	167.25117	10.41818	0.0932037	0.18767093	3.0213756	21	11 14.8	19.8
217459 2005 UR_{186}	15.9	X	198.01095	314.75528	284.54038	2.12155	0.0328312	0.19370849	2.9582641	21	—	—
217460 2005 UF_{220}	16.2	X	211.58696	334.95011	330.15355	4.02706	0.0791439	0.21037234	2.7999071	21	1 23.5	20.5
217461 2005 UZ_{274}	15.8	X	212.87216	116.32129	243.40524	8.19249	0.2389765	0.21959649	2.7209410	21	3 24.3	20.7
217462 2005 UV_{322}	16.1	X	304.63141	30.95723	223.30064	7.30372	0.1750711	0.21631708	2.7483719	21	2 15.0	20.0
217463 2005 UO_{385}	16.2	X	181.75665	249.91313	142.68514	5.97016	0.1445351	0.22077503	2.7112491	21	4 11.7	20.5
217464 2005 UR_{386}	15.7	X	236.52460	218.77320	138.01959	13.03357	0.3269517	0.22583452	2.6706020	21	4 11.1	20.7
217465 2005 UG_{477}	16.2	X	141.62903	152.43306	184.78570	2.04451	0.0850770	0.20049731	2.8911038	21	—	—
217466 2005 VV_{4}	16.2	X	252.38459	216.66682	117.03279	16.05700	0.1364378	0.22805703	2.6532229	21	4 11.6	20.5
217467 2005 VQ_{49}	16.3	X	189.47932	28.19052	307.66581	3.45835	0.0744642	0.21159820	2.7890828	21	2 5.3	20.3
217468 2005 VZ_{126}	17.2	X	16.33496	106.91546	161.64855	3.49743	0.1631670	0.23851862	2.5750630	21	7 17.9	19.5
217469 2005 WQ_{21}	15.5	X	88.22592	35.55608	257.15784	8.27217	0.0939556	0.18316420	3.0707348	21	11 16.9	20.0
217470 2005 WZ_{25}	15.9	X	9.34362	93.29458	345.56128	2.26991	0.0611660	0.19275652	2.9679961	21	—	—
217471 2005 WL_{97}	16.1	X	107.00417	64.41163	289.73200	0.89466	0.0737324	0.19649236	2.9302563	21	—	—
217472 2005 WV_{105}	15.9	X	144.60196	204.46326	143.53156	9.97879	0.1507575	0.20482922	2.8501963	21	1 12.0	20.2
217473 2005 WU_{111}	15.3	X	306.44875	211.21736	237.11987	8.69660	0.0456904	0.18330702	3.0691397	21	11 19.9	19.4
217474 2005 WP_{113}	15.9	X	196.15277	36.36020	305.25862	8.77978	0.2686071	0.21545796	2.7556731	21	2 20.8	20.9
217475 2005 WO_{157}	17.0	X	245.84893	200.33414	100.91211	7.20276	0.1242990	0.26934131	2.3746562	21	2 13.4	20.6
217476 2005 WS_{191}	16.6	X	173.40613	224.60361	157.56841	5.92367	0.1244901	0.21619675	2.7493917	21	3 20.2	20.8
217477 2005 XZ_{10}	15.1	X	73.36191	168.57417	99.09348	7.09555	0.1334596	0.17386049	3.1793289	21	10 9.3	19.7
217478 2005 XE_{36}	17.0	X	132.88115	53.09663	77.60010	4.13813	0.0655769	0.28274318	2.2990123	21	6 14.6	20.0
217479 2005 XV_{116}	16.8	X	257.95577	76.26159	172.04035	2.66341	0.1582911	0.25824422	2.4422061	21	—	—
217480 2005 YM_{49}	15.4	X	290.50523	228.40602	118.38377	17.87847	0.0584592	0.22020468	2.7159287	21	6 20.2	19.2
217481 2005 YW_{170}	14.8	X	291.77048	291.37297	148.53652	15.63870	0.1260194	0.17268991	3.1936801	21	10 13.9	19.2
217482 2005 YS_{249}	15.3	X	36.68434	14.85626	300.77251	4.48091	0.1944861	0.17361595	3.1823136	21	10 24.4	19.4
217483 2005 YG_{290}	17.3	X	310.83118	253.29321	0.30345	2.20456	0.1627932	0.26691644	2.3890166	21	2 18.6	20.2
217484 2006 BK_{231}	17.0	X	2.29277	203.91292	48.68261	2.87716	0.1689941	0.27394813	2.3479589	21	5 18.1	18.6
217485 2006 BT_{270}	15.8	X	192.61450	129.18098	327.42549	24.94652	0.1169113	0.21693849	2.7431211	21	7 16.8	20.4
217486 2006 DX_{122}	17.2	X	98.84344	228.51775	166.68140	22.51963	0.0924444	0.38164976	1.8823168	21	—	—
217487 2006 DD_{200}	15.5	X	222.05637	172.60673	316.74229	14.37469	0.0751853	0.22593122	2.6698399	21	9 19.3	19.6
217488 2006 EB_{45}	14.8	X	61.76883	23.05501	32.32408	10.94428	0.0949365	0.18448956	3.0560106	21	—	—
217489 2006 FP_{43}	15.2	X	325.53570	108.82127	23.35439	30.40827	0.0654859	0.23999267	2.5645080	21	—	—
217490 2006 GV_{12}	16.8	X	137.50624	259.06529	56.23195	5.20780	0.1469533	0.30095259	2.2053151	21	—	—
217491 2006 HB_{23}	16.3	X	227.63088	295.75740	86.11331	3.07693	0.0798033	0.20120272	2.8843424	21	5 15.6	20.7
217492 2006 HG_{127}	16.2	X	59.52268	273.12429	166.80365	0.70375	0.1617026	0.18022743	3.1040030	21	1 20.7	19.8
217493 2006 KK_{69}	16.2	X	138.50016	237.66993	98.67507	15.62858	0.1242932	0.23820672	2.5773103	21	—	—
217494 2006 RK_{2}	17.0	X	100.42493	243.71257	57.01712	6.79742	0.1419138	0.27726491	2.3291964	21	12 29.3	20.6
217495 2006 SU_{3}	15.6	X	104.72093	116.79920	1.74194	31.12102	0.2935951	0.23324636	2.6137224	21	5 10.6	20.2
217496 2006 SK_{6}	17.3	X	278.30147	189.26985	84.11390	0.90817	0.2046595	0.30690964	2.1766856	21	1 28.2	20.4
217497 2006 SJ_{55}	15.6	X	44.40495	258.70730	140.44839	9.69682	0.1597858	0.21176845	2.7875877	21	—	—
217498 2006 SS_{63}	17.4	X	233.52344	233.08673	67.10688	4.73279	0.1883362	0.30116140	2.2042957	21	1 24.5	21.0
217499 2006 SW_{63}	16.8	X	171.28327	212.71642	141.36673	4.33334	0.1574748	0.29551269	2.2322969	21	2 1.8	20.0
217500 2006 SA_{314}	17.4	X	251.78637	97.31103	141.51899	2.13096	0.0759228	0.28944872	2.2633669	21	—	—
217501 2006 SU_{351}	17.9	X	186.19693	237.98693	113.46468	2.47891	0.1445647	0.29894996	2.2151530	21	2 12.9	21.1
217502 2006 SA_{392}	17.4	X	185.95864	197.45185	53.20289	3.40692	0.2666927	0.28219129	2.3020088	21	—	—
217503 2006 SL_{406}	16.3	X	262.78155	324.18167	68.55503	7.26947	0.1842507	0.24300767	2.5432520	21	6 24.9	20.0
217504 2006 TK_{4}	16.9	X	36.54069	252.68315	180.84341	6.23577	0.0717360	0.27955330	2.3164680	21	—	—
217505 2006 TQ_{11}	15.5	X	117.56493	334.97132	58.31621	10.07599	0.1493117	0.22211253	2.7003539	21	2 6.9	19.3
217506 2006 TM_{55}	17.0	X	148.32660	269.39862	99.40993	6.77630	0.1938848	0.29256065	2.2472882	21	2 2.3	20.1
217507 2006 TS_{62}	15.3	X	54.35356	273.72816	337.56840	10.65358	0.0377795	0.18827093	3.0149530	21	8 10.7	19.4
217508 2006 TE_{103}	16.9	X	206.73828	294.95566	267.53070	1.63406	0.1074787	0.27063144	2.3671033	21	12 14.1	19.9
217509 2006 TG_{109}	15.8	X	117.20366	218.77727	73.15588	8.03711	0.0490328	0.20395737	2.8583130	21	12 17.3	19.9
217510 Dewaldroode	15.7	X	119.99705	51.44325	160.02972	12.68650	0.1532920	0.25707127	2.4496292	21	9 27.4	19.4
217511 2006 UP_{1}	17.1	X	178.92345	308.28952	25.65985	4.35627	0.1705086	0.29385625	2.2406779	21	1 17.6	20.3
217512 2006 UU_{4}	17.6	X	189.16410	219.02548	107.52435	1.21355	0.1363338	0.29491726	2.2353005	21	1 14.5	20.8
217513 2006 UC_{78}	17.6	X	169.86551	87.47410	281.30205	1.58970	0.0903208	0.29615999	2.2290431	21	2 12.5	20.5
217514 2006 UQ_{99}	17.5	X	166.93273	163.92509	140.13217	3.45943	0.1844619	0.28529268	2.2852951	21	—	—
217515 2006 UR_{99}	17.3	X	141.19060	210.73659	75.41154	5.30259	0.2213540	0.27770623	2.3267281	21	—	—
217516 2006 UR_{140}	17.0	X	157.70458	346.84129	311.17420	2.55632	0.2539364	0.28293050	2.2979974	21	—	—
217517 2006 UZ_{143}	17.2	X	210.16132	30.35920	304.83846	1.64647	0.2720148	0.29890514	2.2153744	21	2 17.1	20.9
217518 2006 UL_{187}	15.2	X	61.80327	324.17984	273.74344	13.00860	0.0366103	0.18612992	3.0380291	21	7 28.7	19.5
217519 2006 UB_{191}	16.6	X	151.49300	15.68218	300.03767	6.12888	0.1404352	0.28503046	2.2866966	21	—	—
217520 2006 UC_{191}	16.8	X	162.07884	47.88056	279.15806	6.56590	0.1643602	0.28923371	2.2644885	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217521 2006 UL_{225}	16.4	X	214.04492	313.86949	318.37690	6.33024	0.1137019	0.28872566	2.2671441	21	—	—
217522 2006 UN_{328}	16.9	X	226.41422	6.22122	112.16823	4.05160	0.1438368	0.25356505	2.4721593	21	9 13.2	20.4
217523 2006 VV_{50}	16.1	X	193.56259	311.94228	262.83252	6.97556	0.1190184	0.26374313	2.4081412	21	12 12.4	19.3
217524 2006 VA_{69}	16.9	X	85.76675	63.73424	234.63949	1.68181	0.1997035	0.26473415	2.4021276	21	12 14.5	20.5
217525 2006 VJ_{151}	16.7	X	181.37316	183.43389	121.31566	5.64009	0.1889278	0.28820118	2.2698938	21	—	—
217526 2006 VB_{169}	17.1	X	307.71639	248.09463	190.10945	2.44933	0.1682970	0.25768343	2.4457481	21	11 15.9	19.1
217527 2006 WS_{62}	16.3	X	283.71546	228.66465	44.57551	12.79395	0.2570168	0.23028550	2.6360784	21	2 13.4	20.7
217528 2006 WW_{68}	17.2	X	108.55321	226.60360	162.31592	3.20025	0.1709839	0.28468156	2.2885645	21	1 4.1	19.6
217529 2006 WA_{157}	16.8	X	169.50050	30.84018	288.48741	6.25214	0.1519167	0.28790906	2.2714290	21	—	—
217530 2006 WJ_{188}	16.8	X	55.09002	336.75325	306.18241	1.60347	0.1960591	0.25546633	2.4598782	21	10 20.9	20.0
217531 2006 WR_{190}	16.2	X	81.55412	129.03057	67.26505	6.18076	0.0996261	0.23707873	2.5854789	21	7 14.6	19.6
217532 2006 WU_{201}	16.4	X	234.80294	239.78854	134.18059	10.01502	0.0944049	0.22972704	2.6403488	21	5 13.6	20.5
217533 2006 XK_{61}	15.9	X	6.13787	20.59408	322.04576	5.31738	0.1298112	0.25376951	2.4708313	21	10 15.3	18.5
217534 2006 YW_{33}	16.4	X	36.79395	276.96838	84.80737	9.49980	0.2416990	0.26299158	2.4127268	21	—	—
217535 2006 YC_{42}	16.3	X	330.54359	269.39532	94.12798	3.19183	0.1713713	0.25157209	2.4851984	21	9 9.3	18.4
217536 2006 YB_{48}	15.3	X	173.71983	47.21460	132.23058	17.81123	0.0625406	0.17586657	3.1551052	21	10 6.9	20.3
217537 2006 YU_{48}	15.5	X	32.41296	242.30013	280.94511	13.36878	0.0342998	0.21963606	2.7206141	21	3 3.9	19.4
217538 2006 YB_{49}	16.4	X	64.90821	339.57578	310.03761	5.24609	0.1277467	0.25700131	2.4500738	21	10 30.7	19.8
217539 2007 AS_{13}	15.5	X	221.41483	0.46231	287.28969	7.54505	0.2024363	0.21057585	2.7981029	21	1 11.1	20.2
217540 2007 BS_{3}	15.9	X	192.07306	254.68134	123.19140	13.55803	0.1138098	0.22336313	2.6902650	21	4 6.1	20.3
217541 2007 BZ_{20}	15.7	X	43.30064	233.72625	150.91872	13.75159	0.2081219	0.26608998	2.3939608	21	—	—
217542 2007 BA_{21}	15.5	X	193.24806	236.61070	120.77957	25.88208	0.1276162	0.21889122	2.7267825	21	3 14.6	20.2
217543 2007 CC_{29}	15.7	X	192.72297	183.02086	129.72278	10.28872	0.1448105	0.20840012	2.8175442	21	1 15.4	20.3
217544 2007 CY_{38}	15.6	X	213.38445	178.17694	140.36498	14.20751	0.1911857	0.21177130	2.7875627	21	2 9.1	20.2
217545 2007 DM_{1}	15.3	X	75.54853	131.37545	159.01878	9.31269	0.1930373	0.17728877	3.1382093	21	11 14.6	20.1
217546 2007 DC_{65}	15.5	X	80.03079	136.27013	160.79852	12.86161	0.0722194	0.17801332	3.1296880	21	11 13.6	20.2
217547 2007 DB_{86}	15.0	X	41.56851	169.48277	154.22407	20.22170	0.2235405	0.17578476	3.1560841	21	11 21.8	19.6
217548 2007 EW_{209}	12.6	X	340.81290	177.81624	102.84452	23.66508	0.1590561	0.08218647	5.2392503	21	6 5.2	18.9
217549 2007 FP_{31}	15.8	X	222.52736	107.18008	15.93777	13.75261	0.0468593	0.23612590	2.5924296	21	9 25.7	19.3
217550 2007 GB_{24}	15.6	X	311.39434	268.88205	42.72386	12.89029	0.2156936	0.21105302	2.7938838	21	5 6.6	18.8
217551 2007 GC_{24}	17.5	X	310.21045	234.32823	28.43205	2.43784	0.1934168	0.27353813	2.3503045	21	2 24.9	20.6
217552 2007 GA_{25}	16.3	X	229.12963	20.24704	228.47953	11.87800	0.1293201	0.25654807	2.4529586	21	—	—
217553 2007 GA_{47}	15.5	X	114.75519	3.21122	213.19493	17.89465	0.1370548	0.22889265	2.6467616	21	9 18.9	19.8
217554 2007 HJ_{21}	14.8	X	15.08654	357.17265	34.34915	13.59243	0.1402566	0.17478227	3.1681407	21	12 19.7	19.0
217555 2007 HC_{28}	15.9	X	324.73376	248.00327	64.52970	3.21509	0.1625071	0.21443694	2.7644133	21	6 7.9	18.9
217556 2007 HB_{63}	17.4	X	76.63405	213.43697	49.95772	4.92830	0.1350285	0.29970031	2.2114540	21	10 20.3	20.2
217557 2007 JX_{4}	16.4	X	99.89644	97.03986	223.30927	6.08654	0.2199795	0.24035089	2.5619593	21	—	—
217558 2007 JB_{22}	15.5	X	202.92853	301.60390	199.23723	28.36588	0.0484311	0.23047046	2.6346679	21	9 18.8	19.5
217559 2007 MS_{14}	17.1	X	55.98663	206.07107	117.85203	7.40495	0.1730229	0.29694632	2.2251062	21	12 19.7	20.1
217560 2007 OG	16.2	X	199.54419	10.48043	255.43387	10.72128	0.1219671	0.24547415	2.5261872	21	—	—
217561 2007 OQ_{2}	16.8	X	349.96314	156.52352	112.75735	6.22987	0.1292929	0.27384661	2.3485391	21	5 23.6	19.0
217562 2007 PO_{5}	16.5	X	196.59166	25.96234	313.39561	1.37621	0.1985394	0.25449725	2.4661188	21	2 14.9	20.7
217563 2007 PJ_{17}	16.5	X	233.93321	222.94815	137.14898	6.41031	0.1679171	0.26541945	2.3979910	21	4 16.3	20.3
217564 2007 PC_{27}	16.5	X	60.09090	330.01854	18.80276	3.03471	0.1459494	0.22554611	2.6728781	21	—	—
217565 2007 RR_{32}	16.4	X	234.99287	221.38227	121.85139	5.71130	0.1236695	0.25910454	2.4367971	21	3 29.7	20.0
217566 2007 RU_{36}	15.5	X	189.74760	315.54606	40.47317	1.37026	0.1792854	0.17940759	3.1134520	21	3 9.1	20.6
217567 2007 TS_{81}	16.8	X	121.75986	260.42194	101.52097	3.04647	0.1650943	0.23531297	2.5983968	21	—	—
217568 2007 TC_{111}	16.5	X	85.19068	36.96129	352.08357	16.75898	0.1720758	0.23423534	2.6063602	21	—	—
217569 2007 TQ_{324}	16.9	X	30.79350	330.17372	308.52110	4.85819	0.2436567	0.27602980	2.3361393	21	9 17.2	19.1
217570 2007 TQ_{412}	16.2	X	114.25171	24.05208	333.10719	12.11679	0.1094812	0.23424889	2.6062597	21	—	—
217571 2007 UJ_{63}	16.3	X	108.91573	85.22674	35.39765	0.21013	0.1416155	0.18049284	3.1009593	21	5 16.9	20.7
217572 2007 VM_{91}	15.6	X	344.31402	309.96969	294.83634	30.97686	0.2407298	0.23465785	2.6032307	21	2 28.3	19.2
217573 2007 VE_{193}	16.4	X	68.22789	274.57023	112.74860	3.04848	0.0873204	0.21802242	2.7340216	21	—	—
217574 2007 VN_{279}	15.6	X	40.94950	132.70393	45.10923	1.69926	0.1285690	0.17377907	3.1803218	21	4 24.9	19.5
217575 2007 VK_{301}	16.2	X	146.65398	206.94138	187.80685	13.26811	0.1973724	0.24229116	2.5482635	21	3 10.0	20.1
217576 Klausbirkner	16.0	X	222.75946	91.21050	324.58235	5.56181	0.2403526	0.18810821	3.0166914	21	6 11.1	21.2
217577 2008 AC_{114}	17.3	X	93.80509	88.52141	154.60620	1.43601	0.1535558	0.25649273	2.4533114	21	10 9.5	20.8
217578 2008 AC_{128}	17.0	X	240.11437	342.15469	292.07505	6.30118	0.1079353	0.29644037	2.2276373	21	—	—
217579 2008 BC_{32}	16.9	X	77.22050	297.62252	327.05596	1.48949	0.1611615	0.25674163	2.4517255	21	10 18.8	20.3
217580 2008 CK_{8}	17.0	X	87.79900	6.99411	294.78177	0.77496	0.1825209	0.26611489	2.3938114	21	12 19.4	20.7
217581 2008 CY_{24}	16.5	X	36.47970	190.09902	121.64336	4.60605	0.2467601	0.25635797	2.4541711	21	11 14.3	19.4
217582 2008 CV_{25}	15.6	X	115.33165	33.22858	185.10525	4.68385	0.1276617	0.18045481	3.1013949	21	9 20.7	20.4
217583 2008 CL_{86}	17.0	X	68.55243	169.04587	125.61102	6.98158	0.1493524	0.26025777	2.4295933	21	11 18.6	20.4
217584 2008 CP_{86}	16.0	X	260.46424	161.98454	141.39578	14.05881	0.2686742	0.22519810	2.6756311	21	2 24.7	20.6
217585 2008 CR_{181}	15.8	X	190.96188	125.75096	152.77195	20.92476	0.1157815	0.21024274	2.8010576	21	—	—
217586 2008 CR_{193}	17.1	X	94.49749	116.84660	167.83042	1.31290	0.1787519	0.26425372	2.4050382	21	12 4.3	20.7
217587 2008 DL_{26}	16.8	X	321.01237	167.30125	320.99014	4.19800	0.0885416	0.28103260	2.3083319	21	—	—
217588 2008 DM_{28}	15.6	X	45.24164	89.47389	142.52161	26.03944	0.1761093	0.17196526	3.2026458	21	7 19.9	19.8
217589 2008 EC_{43}	15.9	X	304.03404	93.51685	144.35874	5.12810	0.0774246	0.21786879	2.7353068	21	2 10.3	19.6
217590 2008 EJ_{45}	16.6	X	249.62549	283.21988	333.39564	0.71292	0.0374290	0.21284590	2.7781724	21	1 6.3	20.3
217591 2008 EJ_{49}	16.4	X	297.20786	15.51996	215.24649	0.92592	0.1714212	0.21658001	2.7461472	21	1 12.2	20.4
217592 2008 EK_{89}	16.2	X	329.86748	132.39403	97.91035	10.48336	0.2275071	0.22020724	2.7159076	21	2 14.8	19.7
217593 2008 FK_{3}	17.0	X	86.66003	184.21376	123.17712	4.28126	0.1343930	0.26588082	2.3952162	21	12 21.4	20.6
217594 2008 FZ_{55}	16.2	X	268.45551	190.87493	121.16520	5.99668	0.1367274	0.22734418	2.6587662	21	3 27.6	20.1
217595 2008 FL_{61}	16.1	X	287.70792	149.20915	126.71118	4.96755	0.1192370	0.22266546	2.6958816	21	3 5.3	19.9
217596 2008 GA_{42}	16.2	X	164.76197	221.31848	126.92979	4.46752	0.1019727	0.20964643	2.8063666	21	1 27.9	20.3
217597 2008 GA_{127}	14.9	X	333.50069	225.67366	124.10278	12.36017	0.0658665	0.16789543	3.2541943	21	8 23.8	19.2
217598 2008 GF_{137}	15.7	X	275.95068	24.59174	217.09719	13.46904	0.1158479	0.21312381	2.7757567	21	1 7.5	20.1
217599 2008 HV_{7}	15.6	X	87.00306	139.68341	123.50836	12.50160	0.0581552	0.17583564	3.1554752	21	10 11.8	20.3
217600 2008 JD_{6}	15.8	X	357.76693	25.93049	220.89771	11.67392	0.2083301	0.22529294	2.6748801	21	5 1.4	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217601 2008 JZ_{14}	16.1	X	254.25439	214.32247	111.18537	6.16476	0.1163931	0.21926891	2.7236503	21	4 1.5	20.2
217602 2008 JH_{15}	16.4	X	8.18394	232.41713	169.15626	7.57785	0.1243693	0.26156016	2.4215215	21	—	—
217603 Grove Creek	15.0	X	92.04239	58.27518	231.76270	16.25205	0.1186720	0.17793369	3.1306217	21	11 20.6	19.8
217604 2008 KY_{24}	14.4	X	186.68322	191.05323	142.96352	14.91183	0.2511358	0.12637733	3.9326920	21	2 16.3	20.9
217605 2008 KM_{27}	16.3	X	150.59326	197.57914	136.18630	6.92324	0.0827670	0.20168437	2.8797485	21	—	—
217606 2008 RU_{89}	16.5	X	191.23516	119.47199	218.70054	5.91657	0.1403454	0.26733613	2.3865156	21	2 2.7	20.3
217607 2008 RP_{119}	15.2	X	144.40109	267.53678	134.95827	10.95332	0.1091137	0.18991121	2.9975676	21	3 19.3	19.8
217608 2008 SG_{184}	16.0	X	319.66530	344.68210	42.09367	6.62109	0.1085918	0.21907564	2.7252519	21	9 24.0	19.1
217609 2008 SW_{254}	15.9	X	323.05735	35.65310	321.18994	5.28683	0.0561360	0.21792377	2.7348467	21	8 19.6	19.3
217610 2008 TW_{19}	17.4	X	219.70405	320.74490	24.14494	1.83724	0.2045165	0.27233186	2.3572397	21	3 11.6	21.2
217611 2008 TN_{20}	16.2	X	261.78473	295.59760	34.82316	6.05798	0.0901966	0.19887614	2.9067940	21	4 18.1	20.3
217612 2008 TD_{126}	12.6	X	290.64989	252.40507	219.27378	14.17406	0.0223597	0.08124881	5.2794830	21	11 13.7	19.4
217613 2008 UU_{46}	16.1	X	348.22208	296.90541	16.61479	4.48184	0.0581554	0.21053145	2.7984963	21	7 30.8	19.6
217614 2008 UG_{185}	15.6	X	256.76069	54.95871	231.60409	4.70501	0.0682944	0.18405711	3.0607955	21	2 19.6	20.2
217615 2008 UW_{200}	15.3	X	152.88887	320.78796	40.63222	9.65528	0.1428078	0.18179925	3.0860857	21	2 12.4	20.2
217616 2008 UY_{273}	15.7	X	174.05080	45.34547	38.97730	9.59115	0.0287728	0.20060834	2.8900369	21	6 1.9	19.9
217617 2008 UA_{342}	15.7	X	270.08769	103.99662	185.60576	1.91798	0.0838622	0.19091136	2.9870893	21	3 9.1	19.9
217618 2008 VA_{19}	16.1	X	291.90358	125.85301	203.38777	6.15383	0.0625251	0.20389025	2.8589402	21	5 28.4	19.9
217619 2008 VX_{31}	16.3	X	325.01425	283.00184	89.45307	5.68625	0.1293589	0.21947295	2.7219619	21	9 11.8	19.3
217620 2009 BH_{10}	17.1	X	201.81762	232.18464	289.43071	17.35521	0.0815546	0.36743659	1.9305503	21	10 24.3	19.7
217621 2009 BG_{156}	17.3	X	109.35938	31.10000	158.32043	3.00736	0.1230610	0.26900288	2.3766474	21	8 13.1	20.7
217622 2009 GL_{5}	16.2	X	30.74875	184.94424	74.79900	9.51400	0.1467073	0.26098220	2.4250952	21	8 5.4	18.7
217623 2009 HY_{59}	17.6	X	59.19140	167.97610	122.29923	2.15499	0.1846723	0.26818896	2.3814535	21	11 6.5	20.7
217624 5003 T–2	16.2	X	309.96250	124.91791	259.23229	5.58639	0.2600984	0.24530944	2.5273179	21	8 8.4	18.6
217625 5408 T–2	16.0	X	1.92530	108.39118	227.57188	12.55671	0.1797612	0.22585798	2.6704170	21	9 25.9	18.8
217626 1027 T–3	15.7	X	73.77104	78.81739	241.20255	10.60978	0.3278279	0.18369900	3.0647721	21	12 28.1	20.9
217627 1064 T–3	17.1	X	72.96260	135.72231	239.56668	8.06900	0.2016692	0.27485996	2.3427632	21	—	—
217628 Lugh	16.6	X	227.46490	315.16111	178.49590	4.32912	0.7119900	0.24366347	2.5386867	21	8 20.9	22.3
217629 1992 SJ_{5}	15.8	X	84.94692	208.46380	354.32134	15.08913	0.1237190	0.23462990	2.6034374	21	8 5.9	19.5
217630 1993 BQ_{9}	17.0	X	121.80249	214.61218	82.13557	2.43111	0.1806827	0.27020580	2.3695885	21	—	—
217631 1993 TG_{15}	15.5	X	32.42214	169.22831	192.17633	13.80501	0.1321685	0.17936236	3.1139754	21	12 8.9	19.8
217632 1993 TA_{25}	15.6	X	7.89822	224.01011	165.59840	5.52709	0.1483921	0.17864382	3.1223198	21	12 10.1	19.5
217633 1995 VQ_{4}	17.1	X	97.05843	255.05828	112.23010	2.94112	0.2140936	0.27705416	2.3303774	21	—	—
217634 1995 VQ_{8}	17.4	X	326.53512	271.24729	214.13664	0.76484	0.1286276	0.27182611	2.3601627	21	—	—
217635 1996 GV_{7}	15.8	X	28.21802	275.02186	75.92329	2.68008	0.1020513	0.17430157	3.1739629	21	11 14.9	19.9
217636 1996 PH_{3}	17.0	X	285.42703	284.74963	323.63314	15.34780	0.0288103	0.38001165	1.8877223	21	1 6.1	19.0
217637 1996 VT_{10}	17.2	X	273.75078	292.66640	334.39547	7.10571	0.1129569	0.29749237	2.2223826	21	1 25.8	20.4
217638 1996 XS_{8}	16.2	X	147.24904	138.11784	274.52586	8.51817	0.1537764	0.21641802	2.7475173	21	3 28.4	20.6
217639 1996 XH_{20}	17.1	X	212.44284	106.57868	279.02970	0.71038	0.2969968	0.22225469	2.6992022	21	4 25.2	22.1
217640 1997 EQ_{26}	17.0	X	96.74354	281.97407	2.67936	2.66103	0.1624866	0.26392449	2.4070379	21	12 4.5	20.6
217641 1997 ND_{6}	15.6	X	133.09675	85.10300	157.96708	5.47286	0.1372964	0.17385983	3.1793369	21	11 7.7	20.7
217642 1997 UD_{22}	16.4	X	296.69706	259.71867	124.26628	8.58317	0.2090761	0.24115955	2.5562289	21	7 25.7	19.0
217643 1997 WN_{10}	16.5	X	271.47128	178.87404	235.57550	6.25484	0.2537248	0.24038239	2.5617355	21	7 23.2	20.2
217644 1998 DE_{31}	16.6	X	243.45060	328.88520	359.23660	5.99702	0.0693958	0.21738550	2.7393593	21	3 24.9	20.6
217645 1998 FJ_{14}	17.2	X	258.90015	99.19679	176.40181	21.13499	0.0944577	0.37890893	1.8913830	21	1 3.2	20.1
217646 1998 KQ_{26}	15.5	X	67.17021	172.30118	145.15876	14.91593	0.1131934	0.18570657	3.0426444	21	11 29.9	20.1
217647 1998 OR_{11}	16.3	X	74.79646	67.22068	315.37380	22.33838	0.2950995	0.27116158	2.3640171	21	—	—
217648 1998 QB_{20}	14.9	X	13.61727	96.75632	273.52751	6.26088	0.2257234	0.17620955	3.1510098	21	12 3.4	18.4
217649 1998 QH_{20}	15.3	X	40.29857	35.78170	302.45977	9.35705	0.2243239	0.17725900	3.1385606	21	12 2.4	19.6
217650 1998 QN_{29}	15.5	X	341.05943	101.99827	312.72820	14.95990	0.2236077	0.17653874	3.1470915	21	11 25.3	19.0
217651 1998 QF_{35}	15.2	X	16.62879	214.71400	150.79856	17.97303	0.2156078	0.17623024	3.1507632	21	12 4.8	19.3
217652 1998 QX_{41}	16.1	X	69.95957	15.32703	344.11480	10.62689	0.2798893	0.26863790	2.3787996	21	—	—
217653 1998 QA_{75}	15.7	X	17.39521	165.27959	205.51716	14.81680	0.2630503	0.17556241	3.1587483	21	12 15.7	19.6
217654 1998 RM_{1}	16.8	X	54.44437	76.75974	345.54299	28.80106	0.2474036	0.35886055	1.9611865	21	—	—
217655 1998 RW_{10}	16.5	X	152.60614	76.38836	170.27604	6.41927	0.0990766	0.26618361	2.3933994	21	12 11.8	20.2
217656 1998 RY_{43}	16.6	X	101.74298	280.13340	39.40438	3.11736	0.1981869	0.26890544	2.3772216	21	—	—
217657 1998 RF_{61}	14.8	X	71.61214	339.07168	357.38369	18.67172	0.2815337	0.17922729	3.1155398	21	—	—
217658 1998 RB_{81}	17.0	X	101.41075	42.63863	302.26164	4.77487	0.2731305	0.27160174	2.3614623	21	—	—
217659 1998 SP_{20}	17.7	X	338.19822	256.29180	180.92113	1.86200	0.2005870	0.26403712	2.4063533	21	—	—
217660 1998 SD_{32}	15.6	X	56.21570	207.19594	140.14820	0.72622	0.2051716	0.17935916	3.1140124	21	12 30.4	20.2
217661 1998 SK_{54}	14.9	X	47.70600	343.69990	346.64314	10.20316	0.2206720	0.17627756	3.1501992	21	11 30.1	19.5
217662 1998 SM_{68}	16.7	X	39.40017	120.25759	268.94395	5.50275	0.1525951	0.26765338	2.3846294	21	—	—
217663 1998 SD_{77}	15.0	X	79.28803	21.18456	265.25810	3.94437	0.1236521	0.17570199	3.1570752	21	11 1.9	19.7
217664 1998 SQ_{99}	15.3	X	338.13043	193.34426	199.86488	17.15139	0.1146264	0.17223905	3.1992509	21	10 23.8	19.1
217665 1998 SX_{109}	15.2	X	37.71844	124.08027	206.17218	26.41056	0.2181846	0.17393792	3.1783853	21	11 19.2	19.6
217666 1998 SJ_{116}	14.7	X	312.38361	241.40441	202.77378	26.76430	0.2273674	0.17296126	3.1903390	21	11 6.2	18.2
217667 1998 ST_{127}	16.5	X	89.65397	219.67267	135.47983	4.02554	0.2749763	0.26942869	2.3741427	21	—	—
217668 1998 UG_{1}	14.6	X	359.06766	97.82946	274.90495	24.61040	0.2424458	0.17187829	3.2037260	21	11 5.5	18.4
217669 1998 UH_{6}	17.2	X	30.64132	282.12263	113.58760	3.26227	0.2229188	0.26436684	2.4043521	21	—	—
217670 1998 UQ_{6}	13.1	X	303.44434	56.22988	15.32658	2.98837	0.0316462	0.08601163	5.0827404	21	10 14.3	19.7
217671 1998 UH_{24}	16.4	X	80.31711	223.07891	110.48686	5.99648	0.2305507	0.26597096	2.3946749	21	—	—
217672 1998 UD_{28}	14.6	X	60.78630	331.96611	35.32615	28.51173	0.1424468	0.17768109	3.1335881	21	—	—
217673 1998 UP_{30}	17.1	X	27.17968	243.32480	152.85074	5.18408	0.2407595	0.26341955	2.4101129	21	—	—
217674 1998 VU_{40}	16.3	X	48.38697	131.29494	215.46397	5.30329	0.1494108	0.26086162	2.4258424	21	12 29.5	19.6
217675 1998 WL_{42}	15.6	X	267.48293	238.01151	223.14562	2.45792	0.1096610	0.16831029	3.2488446	21	10 4.2	20.0
217676 1999 AM_{18}	15.0	X	106.81896	338.23690	52.92689	12.67215	0.1529784	0.18687653	3.0299320	21	1 29.2	19.4
217677 1999 BW_{30}	16.7	X	141.93654	36.15080	314.76551	4.48640	0.1111588	0.26593548	2.3948879	21	—	—
217678 1999 CY_{10}	15.8	X	207.41404	283.76009	162.90230	18.10643	0.2069722	0.24096014	2.5576390	21	7 7.4	20.4
217679 1999 CT_{80}	15.7	X	340.83133	277.42674	296.98685	8.86732	0.2726956	0.22304314	2.6928375	21	1 29.5	18.7
217680 1999 CC_{86}	15.3	X	206.04629	176.38172	321.81463	5.73525	0.1207948	0.24564679	2.5250035	21	9 14.8	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217681 1999 JS_{29}	15.9	X	244.57413	184.58177	90.52905	2.58303	0.1994647	0.21249310	2.7812466	21	1 14.9	20.6
217682 1999 RO_{26}	15.7	X	186.82732	266.83264	3.63136	23.14653	0.2623110	0.28687143	2.2769029	21	—	—
217683 1999 RP_{36}	18.8	X	191.90865	321.71121	57.88078	5.48431	0.4161987	0.29647258	2.2274760	21	4 4.3	23.2
217684 1999 RT_{61}	17.1	X	229.32633	146.44000	167.04853	7.30899	0.1740613	0.29751677	2.2222611	21	2 4.7	20.7
217685 1999 RG_{78}	16.7	X	148.50190	98.86668	289.59076	4.44357	0.1262882	0.29388220	2.2405460	21	2 17.0	19.5
217686 1999 RY_{90}	16.8	X	193.10288	352.83546	11.20108	6.51991	0.2754759	0.29600000	2.2298462	21	3 13.6	20.6
217687 1999 RT_{91}	16.5	X	156.84035	50.17007	350.92677	2.05303	0.2118982	0.29452932	2.2372629	21	3 24.9	19.9
217688 1999 RS_{164}	17.2	X	190.93909	86.49137	240.15753	3.14325	0.1910868	0.29313030	2.2443758	21	1 19.6	20.6
217689 1999 RH_{181}	15.9	X	329.95184	342.42532	185.96135	1.48466	0.0193274	0.19928212	2.9028448	21	—	—
217690 1999 RW_{207}	16.9	X	142.17542	112.47930	268.16266	4.67060	0.2451168	0.29036966	2.2585787	21	2 14.4	20.2
217691 1999 RD_{209}	16.8	X	164.15285	19.70850	308.03499	5.37493	0.1912903	0.28857544	2.2679308	21	—	—
217692 1999 RZ_{210}	15.1	X	22.40467	103.37234	305.40107	7.17294	0.2331958	0.18625564	3.0366618	21	—	—
217693 1999 RY_{217}	16.0	X	160.74312	154.93558	164.79712	16.98540	0.2571946	0.19969526	2.8988398	21	1 4.3	21.2
217694 1999 RP_{225}	15.8	X	55.17794	193.13829	177.03089	13.41679	0.1367070	0.18832832	3.0143404	21	—	—
217695 1999 RT_{242}	15.3	X	183.55452	255.31169	5.90996	24.50980	0.2205183	0.28601567	2.2814424	21	—	—
217696 1999 SO_{3}	15.4	X	81.94427	66.87245	295.31489	19.44677	0.3669947	0.18967387	3.0000677	21	—	—
217697 1999 SU_{15}	16.1	X	95.03435	120.90503	254.76274	6.22219	0.1336418	0.28425083	2.2908759	21	—	—
217698 1999 TG_{9}	16.7	X	183.81202	323.55317	22.10883	5.40064	0.2317972	0.29222665	2.2490003	21	2 11.3	20.3
217699 1999 TD_{50}	15.8	X	101.88546	147.26348	186.61766	15.31586	0.0770264	0.18968535	2.9999466	21	—	—
217700 1999 TA_{60}	16.3	X	188.10961	65.78907	235.01551	1.39633	0.0308250	0.19775137	2.9178058	21	—	—
217701 1999 TD_{82}	17.4	X	172.85073	300.15940	26.75249	3.31692	0.1937539	0.28971063	2.2620026	21	1 4.9	20.8
217702 1999 TO_{108}	15.6	X	74.95184	42.01418	293.09224	4.14891	0.2073533	0.18825528	3.0151200	21	—	—
217703 1999 TH_{130}	15.1	X	342.93191	113.31489	353.93485	9.98535	0.0789494	0.19098416	2.9863301	21	—	—
217704 1999 TN_{137}	17.8	X	152.62374	70.51956	293.39964	1.08612	0.2141521	0.29081058	2.2562952	21	2 1.9	21.0
217705 1999 TG_{184}	15.5	X	85.89550	58.18548	285.25355	12.16374	0.2260343	0.18916000	3.0054985	21	—	—
217706 1999 TK_{189}	15.1	X	59.51481	129.65369	255.86942	10.38389	0.1436974	0.18851424	3.0123582	21	—	—
217707 1999 TM_{192}	15.3	X	16.63037	124.65848	281.92319	7.78630	0.1308042	0.18475741	3.0530563	21	—	—
217708 1999 TA_{196}	16.6	X	186.18206	9.40580	4.20317	9.12006	0.1884065	0.29387376	2.2405889	21	3 16.6	20.2
217709 1999 TY_{213}	16.2	X	93.66266	169.81932	183.82773	4.84110	0.2215813	0.19063689	2.9899557	21	—	—
217710 1999 TJ_{233}	16.9	X	172.82031	129.58404	211.27379	21.26032	0.0682608	0.38125526	1.8836150	21	—	—
217711 1999 TA_{244}	15.8	X	103.06115	129.63615	262.61632	5.14348	0.2251575	0.19710190	2.9242119	21	1 29.2	19.7
217712 1999 TV_{255}	15.7	X	82.73505	204.13113	186.43786	1.86436	0.0823261	0.19488513	2.9463449	21	—	—
217713 1999 TX_{269}	17.4	X	191.04034	79.09626	256.31606	5.82188	0.2271816	0.29277068	2.2462133	21	1 31.4	21.1
217714 1999 UG_{52}	17.0	X	96.53018	244.23887	125.59709	6.43116	0.1854793	0.28207031	2.3026670	21	—	—
217715 1999 VF_{15}	15.5	X	49.37311	67.47217	1.36862	10.84868	0.0848562	0.19468461	2.9483676	21	—	—
217716 1999 VB_{80}	17.3	X	196.59015	106.78649	226.16777	4.78067	0.3271170	0.29314690	2.2442911	21	2 5.6	21.4
217717 1999 VC_{81}	15.1	X	107.22166	17.45635	321.11754	8.22789	0.1017987	0.18966451	3.0001663	21	—	—
217718 1999 VG_{97}	16.9	X	87.64372	282.89972	33.35723	2.40893	0.1698502	0.27574209	2.3377640	21	—	—
217719 1999 VC_{101}	15.4	X	283.02589	256.82259	228.14035	5.74362	0.0424940	0.18150005	3.0894764	21	12 4.3	19.5
217720 1999 VA_{105}	14.9	X	329.07463	208.95932	230.92873	18.33679	0.0148106	0.18152083	3.0892406	21	12 9.2	19.3
217721 1999 VV_{119}	15.8	X	131.21744	21.94977	246.48303	3.92855	0.1153206	0.18443401	3.0566242	21	12 4.1	20.5
217722 1999 VJ_{154}	16.3	X	94.29742	265.01679	45.45933	2.36646	0.2100599	0.18496667	3.0507531	21	12 25.3	21.2
217723 1999 VJ_{165}	17.4	X	65.27733	85.29962	337.71556	1.70725	0.1539183	0.28252141	2.3002152	21	—	—
217724 1999 VS_{170}	15.2	X	46.28520	343.36604	36.30777	4.73392	0.1869885	0.18357080	3.0661989	21	—	—
217725 1999 VL_{178}	17.2	X	153.87419	221.36912	157.77136	5.26701	0.1905926	0.29075162	2.2566002	21	2 20.1	20.4
217726 1999 WN	16.7	X	167.37067	265.90681	90.37527	4.12811	0.2638551	0.29054897	2.2576493	21	2 12.1	20.3
217727 1999 XR_{56}	17.2	X	125.87331	148.34913	232.97006	3.26128	0.1880693	0.28563715	2.2834574	21	1 21.1	19.9
217728 1999 XA_{64}	15.1	X	83.49295	196.62058	147.61841	7.26762	0.1149475	0.18278004	3.0750360	21	—	—
217729 1999 XA_{79}	15.1	X	41.25872	144.50879	247.90247	10.00185	0.1128965	0.18373968	3.0643198	21	—	—
217730 1999 XC_{114}	15.1	X	82.28102	16.48464	358.26520	14.43483	0.2611948	0.18926020	3.0044376	21	—	—
217731 1999 XM_{118}	14.5	X	165.88800	320.98823	245.41162	20.72523	0.0519703	0.17669213	3.1452698	21	10 21.8	19.5
217732 1999 XB_{148}	17.3	X	104.55199	160.14674	241.39175	4.65358	0.1576393	0.28511133	2.2862641	21	1 12.7	19.7
217733 1999 XP_{171}	14.8	X	356.55978	101.66736	293.94745	15.03580	0.1873325	0.17656262	3.1468077	21	11 30.5	18.6
217734 1999 XF_{187}	16.0	X	71.33468	61.77723	338.24206	6.51498	0.1195196	0.27768422	2.3268511	21	—	—
217735 2000 AG_{40}	14.8	X	358.40177	117.87389	303.88351	16.37425	0.1723128	0.17858911	3.1229575	21	—	—
217736 2000 AE_{197}	14.8	X	325.06302	194.86006	262.97739	8.47205	0.2399996	0.17788158	3.1312331	21	12 21.8	17.9
217737 2000 AF_{216}	15.2	X	304.51048	217.76585	250.33987	8.01522	0.0715319	0.18104488	3.0946524	21	12 9.2	19.2
217738 2000 BO_{1}	16.2	X	12.71463	344.30065	84.48878	1.09627	0.2399362	0.18195245	3.0843533	21	—	—
217739 2000 BY_{21}	16.4	X	57.07511	69.53329	319.13774	4.77610	0.1202368	0.27142807	2.3624695	21	—	—
217740 2000 BQ_{30}	14.8	X	24.32300	100.80428	305.80784	21.63194	0.1630191	0.17951470	3.1122134	21	—	—
217741 2000 CC_{9}	14.7	X	303.43157	297.70632	134.60573	16.60260	0.2434570	0.17264033	3.1942915	21	10 7.2	18.6
217742 2000 CU_{22}	16.7	X	42.34355	278.08409	166.08796	6.77899	0.2119404	0.27721972	2.3294495	21	—	—
217743 2000 CK_{26}	16.2	X	349.66640	101.10028	315.14219	5.56134	0.1008549	0.26570842	2.3962521	21	—	—
217744 2000 CK_{38}	16.6	X	24.97114	291.19639	128.56717	3.24458	0.0814134	0.27097343	2.3651113	21	—	—
217745 2000 CU_{55}	16.3	X	45.86505	108.83473	319.53137	5.59453	0.2414532	0.27601542	2.3362204	21	—	—
217746 2000 CU_{60}	15.0	X	353.15561	134.22029	311.93862	16.31545	0.2870696	0.17950844	3.1122858	21	—	—
217747 2000 DS_{41}	16.5	X	300.01023	351.54334	141.98151	5.07382	0.1060558	0.26712065	2.3877988	21	—	—
217748 2000 DQ_{88}	17.1	X	303.85301	22.32930	153.95813	23.78455	0.0430051	0.36352791	1.9443639	21	—	—
217749 2000 EK_{66}	16.5	X	157.96312	196.14217	15.21581	6.68369	0.1153012	0.25492185	2.4633796	21	10 30.1	20.3
217750 2000 EE_{138}	16.3	X	44.06903	331.93714	351.28678	8.24855	0.1445765	0.25622826	2.4549992	21	11 19.6	19.6
217751 2000 GN_{24}	16.9	X	173.85856	351.55794	206.24361	5.87506	0.0876602	0.25475071	2.4644828	21	11 1.1	20.5
217752 2000 GQ_{187}	15.6	X	282.27472	171.74703	120.87592	18.08867	0.2368018	0.23057153	2.6338978	21	3 8.4	19.9
217753 2000 HT_{37}	15.9	X	253.73862	129.44867	102.36832	16.06189	0.1178554	0.21944621	2.7221831	21	—	—
217754 2000 HA_{64}	16.1	X	74.56615	351.77823	216.51777	13.14952	0.1173425	0.24198923	2.5503827	21	7 19.9	19.7
217755 2000 OP_{34}	15.9	X	244.20612	179.78259	173.50333	8.58558	0.2550418	0.22349767	2.6891852	21	4 13.6	20.5
217756 2000 QW_{8}	17.6	X	12.20099	131.02068	174.45897	4.47205	0.2946099	0.32990003	2.0743457	21	10 17.4	18.6
217757 2000 QO_{14}	16.5	X	223.51868	216.47819	139.04645	9.32520	0.2387783	0.22079117	2.7111169	21	4 2.6	21.3
217758 2000 QP_{15}	15.8	X	174.97519	94.47954	321.15196	6.62152	0.3163098	0.21896911	2.7261358	21	5 3.8	21.0
217759 2000 QP_{37}	15.7	X	149.73963	216.77356	153.42668	10.50894	0.1458725	0.21297252	2.7770711	21	2 10.9	19.9
217760 2000 QY_{106}	15.8	X	224.53358	329.22071	304.43815	11.54097	0.2375493	0.21327980	2.7744032	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217761 2000 QW_{107}	16.2	X	225.68751	14.06879	316.23248	12.79745	0.1813884	0.21885882	2.7270515	21	2 28.8	20.8
217762 2000 QY_{119}	15.4	X	250.77656	28.44406	336.75697	13.03744	0.2020421	0.22347255	2.6893867	21	4 30.6	20.0
217763 2000 QL_{123}	15.1	X	183.19440	12.71007	350.48157	15.40655	0.2021722	0.21298916	2.7769265	21	3 9.3	19.7
217764 2000 QC_{162}	15.6	X	180.56748	94.03737	288.78310	8.35897	0.1989718	0.21790932	2.7349676	21	3 25.0	20.4
217765 2000 QK_{167}	16.2	X	126.85939	232.16109	178.22131	9.68732	0.2612463	0.21149703	2.7899721	21	3 21.7	20.5
217766 2000 QF_{172}	16.2	X	179.18090	207.78722	173.86444	9.52500	0.2988906	0.21672403	2.7449304	21	3 31.0	21.1
217767 2000 QU_{204}	16.3	X	220.54648	148.50870	181.07265	4.79607	0.1875160	0.21650755	2.7467598	21	2 26.5	20.8
217768 2000 QD_{223}	15.5	X	230.67170	301.90566	0.56063	12.88278	0.1653572	0.21644020	2.7473296	21	2 8.9	20.1
217769 2000 QN_{243}	16.0	X	223.03073	10.30380	314.01720	8.52081	0.1297545	0.21869747	2.7283926	21	2 22.6	20.4
217770 2000 RB_{8}	15.7	X	169.39581	308.28088	104.83990	10.39992	0.1547623	0.21765493	2.7370982	21	4 28.3	20.2
217771 2000 RJ_{30}	15.8	X	209.85784	191.88411	214.81815	10.68625	0.2482797	0.22104536	2.7090381	21	5 20.8	20.5
217772 2000 RJ_{48}	15.6	X	188.60123	139.37785	246.36156	9.05046	0.3441690	0.21489903	2.7604491	21	4 7.9	20.9
217773 2000 RO_{76}	15.2	X	255.12184	66.59141	345.59992	10.92275	0.2978244	0.22909219	2.6452244	21	6 30.7	19.6
217774 2000 RV_{76}	15.1	X	238.36767	269.02875	141.60741	13.23407	0.2691496	0.22769372	2.6560445	21	6 16.7	19.7
217775 2000 RK_{83}	15.6	X	161.57454	116.67647	287.58471	6.82547	0.1966993	0.21494281	2.7600743	21	4 4.8	20.3
217776 2000 RS_{107}	16.2	X	222.01368	160.75212	162.51343	6.55841	0.0694994	0.21474424	2.7617755	21	2 23.8	20.4
217777 2000 SY_{17}	15.9	X	137.30768	157.40620	256.92505	4.20894	0.2114825	0.21243375	2.7817646	21	3 29.0	20.3
217778 2000 SM_{18}	15.7	X	136.56361	132.12613	264.42876	7.01910	0.1598813	0.21061853	2.7977248	21	2 28.1	20.0
217779 2000 SS_{18}	15.9	X	170.59594	128.57951	277.00168	8.04945	0.0653765	0.21757768	2.7377461	21	4 6.9	20.0
217780 2000 SL_{53}	16.1	X	201.18690	335.98322	347.92844	7.61252	0.1930843	0.21295831	2.7771947	21	2 7.2	20.7
217781 2000 SR_{56}	15.6	X	251.51999	329.79584	357.85697	10.83913	0.1362307	0.21948410	2.7218698	21	3 26.4	19.9
217782 2000 ST_{58}	16.5	X	202.20480	163.98434	196.58241	3.53842	0.2214294	0.21622624	2.7491416	21	3 20.3	21.2
217783 2000 SE_{116}	16.2	X	210.44499	157.01414	184.12168	9.07692	0.3217670	0.21486684	2.7607248	21	3 2.7	21.4
217784 2000 SF_{165}	15.7	X	179.87449	109.44127	269.30132	9.07696	0.2188738	0.21482252	2.7611045	21	3 20.3	20.6
217785 2000 SZ_{196}	16.2	X	164.25960	220.04510	183.01340	4.87109	0.1387797	0.21592367	2.7517093	21	4 6.2	20.3
217786 2000 SS_{206}	15.9	X	221.20851	301.98463	21.18686	8.71206	0.1810897	0.21297460	2.7770531	21	2 24.2	20.6
217787 2000 SC_{262}	16.5	X	187.64631	330.64447	54.83617	2.37781	0.2302557	0.21693832	2.7431225	21	4 8.7	21.2
217788 2000 SV_{280}	15.1	X	153.93362	70.28408	356.65667	22.80423	0.2765646	0.21297508	2.7770488	21	4 23.9	20.3
217789 2000 SE_{281}	16.0	X	191.00406	160.41213	217.93703	9.42452	0.1521085	0.21820390	2.7325055	21	3 30.0	20.4
217790 2000 SD_{301}	15.9	X	129.58836	101.35413	358.14723	7.02025	0.1438669	0.21598816	2.7511615	21	5 9.1	20.1
217791 2000 SW_{311}	15.3	X	246.25935	340.92990	303.10934	18.64837	0.1764532	0.21336988	2.7736222	21	1 26.7	19.7
217792 2000 SO_{352}	15.5	X	182.42940	284.34808	126.05300	12.77327	0.2156073	0.21690925	2.7433676	21	5 8.4	20.4
217793 2000 TX_{37}	15.7	X	212.34985	341.66087	30.77269	9.28093	0.2981487	0.21946031	2.7220664	21	4 10.9	20.7
217794 2000 TU_{40}	15.5	X	198.78648	358.31903	20.01611	12.14013	0.2481706	0.21828182	2.7318551	21	4 8.2	20.2
217795 2000 TE_{46}	16.1	X	190.27158	9.76914	332.94013	3.06638	0.1024402	0.21223737	2.7834802	21	2 15.8	20.2
217796 2000 TO_{64}	17.1	X	200.77385	177.75131	223.68476	37.53231	0.6190260	0.21689318	2.7435031	21	5 4.2	23.3
217797 2000 UH_{48}	15.9	X	121.93588	339.28888	104.02757	3.54599	0.1849488	0.21001299	2.8031001	21	4 19.5	20.1
217798 2000 UB_{69}	15.6	X	176.06109	60.32761	309.53233	3.58393	0.2941702	0.21183062	2.7870423	21	3 13.2	20.7
217799 2000 UN_{71}	15.3	X	183.69032	142.13831	236.63768	12.52115	0.1303065	0.21252283	2.7809872	21	3 21.2	19.9
217800 2000 UV_{93}	15.9	X	158.38492	74.60613	307.15242	5.00123	0.2159100	0.20999287	2.8032791	21	3 9.4	20.5
217801 2000 UM_{95}	15.3	X	181.57890	98.57295	253.97223	5.74565	0.1112319	0.20912242	2.8110527	21	2 17.1	19.7
217802 2000 US_{96}	15.4	X	140.85640	334.74011	28.66205	13.05609	0.0927147	0.20444541	2.8537624	21	1 24.3	19.8
217803 2000 WU_{13}	15.2	X	202.36954	318.28503	55.53187	15.49837	0.2179403	0.21676223	2.7446079	21	4 11.4	20.1
217804 2000 WY_{119}	15.5	X	103.89311	144.77611	287.54024	10.88140	0.2907625	0.20442054	2.8539938	21	3 23.7	19.9
217805 2000 XX_{8}	15.3	X	178.32638	52.02456	343.30195	7.61072	0.2934293	0.21099811	2.7943685	21	4 11.9	20.5
217806 2000 XS_{43}	15.5	X	4.25947	47.03673	348.54389	14.59752	0.1253037	0.23450313	2.6043756	21	12 24.0	18.8
217807 2000 XK_{44}	18.1	X	57.96939	347.62168	48.10723	11.23501	0.3852233	0.43532707	1.7242184	21	—	—
217808 2000 YP_{58}	17.0	X	80.32940	200.14395	285.32711	6.86585	0.0778670	0.30103997	2.2048884	21	3 17.5	19.3
217809 2000 YY_{110}	15.3	X	90.18418	87.67922	298.45779	11.16986	0.1007426	0.19450940	2.9501379	21	—	—
217810 2000 YS_{127}	15.4	X	339.13954	133.14381	354.04317	6.38125	0.0942630	0.19077292	2.9885342	21	—	—
217811 2001 AB_{19}	14.8	X	269.80120	8.07118	125.65090	17.11478	0.0291313	0.18255336	3.0775810	21	12 3.7	19.3
217812 2001 AA_{32}	15.3	X	66.66345	90.66099	296.78487	10.08235	0.0974743	0.19276708	2.9678878	21	—	—
217813 2001 BD_{19}	16.7	X	168.92010	114.01411	324.34620	5.76479	0.0951694	0.30700898	2.1762160	21	5 15.7	19.8
217814 2001 BO_{46}	15.3	X	28.38357	229.35224	192.97845	8.78171	0.2472893	0.19158661	2.9800664	21	—	—
217815 2001 BS_{54}	14.9	X	314.10703	175.05107	260.63286	8.63223	0.0595426	0.18035150	3.1025792	21	11 11.9	19.1
217816 2001 DG_{14}	15.8	X	231.65050	306.72588	317.55836	23.37624	0.2247262	0.28573738	2.2829234	21	—	—
217817 2001 DQ_{41}	15.1	X	5.88045	71.58493	333.87900	8.54875	0.0602597	0.18187812	3.0851935	21	12 17.8	19.3
217818 2001 DC_{46}	15.4	X	351.00141	291.94822	149.53908	10.50881	0.0840575	0.18330712	3.0691385	21	—	—
217819 2001 DJ_{53}	15.2	X	338.55327	118.49364	333.68140	11.45605	0.1294209	0.18429535	3.0581571	21	—	—
217820 2001 DS_{68}	14.9	X	178.02274	237.50859	334.77916	14.68398	0.0527524	0.17606344	3.1527529	21	11 8.2	19.9
217821 2001 DK_{111}	16.7	X	254.73827	18.22326	165.98296	4.94137	0.0998473	0.27665686	2.3326079	21	—	—
217822 2001 FK_{47}	16.6	X	139.84415	204.27628	20.94562	5.46588	0.1904733	0.26498555	2.4006080	21	11 1.1	20.6
217823 2001 FB_{66}	17.0	X	239.91955	27.27000	162.17122	5.75750	0.1343328	0.27602176	2.3361847	21	—	—
217824 2001 FT_{76}	16.4	X	233.29397	37.06047	152.80583	5.90131	0.1744816	0.27412294	2.3469606	21	12 21.7	19.5
217825 2001 FU_{88}	17.2	X	266.32771	10.53358	164.64252	2.33052	0.1531253	0.27767585	2.3268978	21	—	—
217826 2001 FW_{119}	15.3	X	292.61893	284.05976	177.03493	10.57068	0.0844107	0.17727831	3.1383327	21	11 14.2	19.5
217827 2001 FQ_{176}	16.4	X	126.01444	169.00560	91.21167	9.94136	0.2608627	0.26683891	2.3894793	21	12 5.1	20.5
217828 2001 GT	15.7	X	121.66358	173.19198	79.43044	29.56985	0.2382567	0.26638918	2.3921679	21	11 26.5	19.9
217829 2001 HJ_{20}	16.7	X	194.77180	116.22181	187.58675	21.62709	0.0865897	0.37589971	1.9014638	21	—	—
217830 2001 HK_{47}	16.6	X	212.51329	259.08649	324.25015	5.40140	0.1996262	0.27484485	2.3428491	21	—	—
217831 2001 JJ_{9}	17.0	X	84.75491	132.14752	155.39908	1.52034	0.1791741	0.26140903	2.4224547	21	11 28.3	20.6
217832 2001 KN_{26}	16.5	X	244.29780	351.67280	254.88898	3.33740	0.1411119	0.27834601	2.3231614	21	—	—
217833 2001 KC_{33}	17.2	X	129.48250	59.25803	210.94353	2.07890	0.1675435	0.26699531	2.3885461	21	12 17.7	21.0
217834 2001 KB_{34}	17.0	X	57.44558	179.75397	121.64470	3.51776	0.1940517	0.25869794	2.4393497	21	11 18.9	20.3
217835 2001 KO_{40}	16.1	X	103.88231	172.25105	96.87242	15.99320	0.1651697	0.26260226	2.4151109	21	11 26.1	20.0
217836 2001 KS_{67}	16.6	X	220.29981	111.22813	188.47434	21.44087	0.0659752	0.37902425	1.8909994	21	—	—
217837 2001 LC	19.3	X	257.14347	2.48783	112.37927	16.96797	0.6774893	0.90997557	1.0546691	21	—	—
217838 2001 LX_{7}	15.3	X	237.97865	66.13120	263.66434	13.33390	0.2151916	0.23271295	2.6177149	21	3 4.4	20.1
217839 2001 OC_{12}	16.6	X	163.64275	306.73219	352.99681	21.71974	0.0996940	0.36473708	1.9400642	21	—	—
217840 2001 OP_{14}	15.9	X	344.29703	347.86805	314.40940	18.42110	0.2273384	0.24328086	2.5413477	21	6 28.2	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217841 2001 OX_{23}	16.3	X	31.21238	353.61136	312.11495	8.72107	0.2043639	0.25156752	2.4852285	21	10 14.5	19.2
217842 2001 OW_{31}	17.0	X	138.16652	108.95045	259.39394	17.16718	0.1054070	0.36869759	1.9261459	21	—	—
217843 2001 OV_{36}	16.6	X	3.79631	26.35076	328.30991	7.85131	0.2050459	0.25268912	2.4778691	21	11 6.9	19.1
217844 2001 OK_{77}	14.5	X	178.00577	252.19583	77.05291	12.74402	0.2479852	0.12452214	3.9716565	21	2 8.5	21.2
217845 2001 OK_{85}	16.5	X	326.19297	127.95167	185.02484	4.86140	0.1441798	0.24265295	2.5457300	21	6 13.2	19.3
217846 2001 OO_{110}	16.0	X	292.40385	132.75157	198.48094	8.18229	0.1764225	0.23952986	2.5678103	21	5 12.2	19.4
217847 2001 PR_{41}	16.0	X	21.69626	40.90219	243.93866	7.59106	0.1992445	0.24512559	2.5285815	21	8 25.5	18.5
217848 2001 PW_{53}	14.6	X	165.62839	296.89730	38.73195	3.62130	0.2265955	0.12302746	4.0037598	21	2 4.0	21.2
217849 2001 PC_{54}	15.0	X	187.03572	351.71142	321.92676	2.16685	0.2748268	0.12448822	3.9723777	21	1 26.2	21.6
217850 2001 PC_{60}	16.7	X	344.27818	238.19363	80.74190	4.26137	0.1860133	0.24593014	2.5230637	21	7 27.7	18.7
217851 2001 QA_{35}	17.2	X	125.06441	84.74000	311.99036	22.37781	0.0443752	0.37510690	1.9041421	21	—	—
217852 2001 QU_{49}	16.5	X	325.06998	7.12794	333.35126	8.41727	0.1914300	0.24423261	2.5347412	21	7 18.7	18.9
217853 2001 QT_{56}	14.0	X	176.65375	208.91150	117.18228	6.21507	0.2180279	0.12295747	4.0052789	21	1 31.6	20.5
217854 2001 QA_{80}	15.7	X	346.93210	343.94989	14.47114	7.72820	0.2370863	0.24396950	2.5365632	21	10 8.8	17.4
217855 2001 QO_{80}	16.4	X	303.33061	96.67058	268.26764	5.48263	0.3186206	0.24149580	2.5538556	21	6 19.1	19.3
217856 2001 QH_{87}	17.0	X	35.65537	153.16397	308.18446	17.45014	0.0911983	0.36656079	1.9336241	21	—	—
217857 2001 QW_{90}	16.9	X	285.52010	18.32968	223.77104	20.85809	0.0533386	0.37516780	1.9039360	21	—	—
217858 2001 QV_{91}	16.5	X	31.88508	30.85317	294.17691	6.52962	0.1740899	0.25302015	2.4757074	21	11 9.5	19.5
217859 2001 QC_{115}	16.5	X	351.85636	29.46534	305.29760	7.15470	0.2326840	0.24639453	2.5198925	21	9 8.3	18.4
217860 2001 QB_{119}	16.1	X	272.73264	225.65551	205.86291	7.48155	0.2190706	0.24446671	2.5331227	21	8 21.8	19.6
217861 2001 QY_{127}	16.2	X	335.57061	50.64898	271.54098	8.21648	0.1747930	0.24402021	2.5362118	21	7 11.5	18.5
217862 2001 QL_{128}	16.8	X	87.77408	61.39523	315.02357	17.90391	0.0876052	0.36474989	1.9400188	21	—	—
217863 2001 QF_{134}	16.8	X	283.84581	268.82481	321.62389	18.66216	0.0469795	0.37190126	1.9150684	21	—	—
217864 2001 QT_{136}	15.8	X	223.33179	214.91567	222.68548	13.35659	0.2555267	0.23516982	2.5994511	21	7 5.1	20.4
217865 2001 QF_{139}	15.5	X	305.47657	59.14068	333.77492	11.25456	0.3025587	0.24181677	2.5515952	21	8 9.1	17.9
217866 2001 QP_{141}	15.3	X	208.54637	126.14818	349.98955	11.18397	0.1014576	0.24464423	2.5318971	21	8 25.4	18.9
217867 2001 QD_{151}	16.5	X	141.61275	106.55176	258.73821	16.88865	0.1044076	0.36900545	1.9250744	21	—	—
217868 2001 QT_{153}	16.6	X	294.98350	260.13484	85.64216	5.41593	0.1076022	0.23881350	2.5729428	21	6 15.2	19.5
217869 2001 QW_{159}	16.5	X	352.38821	323.77661	337.04482	7.47668	0.1703756	0.24369671	2.5384558	21	7 18.6	18.7
217870 2001 QB_{191}	15.5	X	262.13896	101.98376	312.27631	28.48157	0.1833907	0.24042875	2.5614061	21	7 26.9	19.1
217871 2001 QG_{191}	15.7	X	241.87665	271.77315	171.91406	25.35642	0.1224768	0.24428892	2.5343516	21	8 13.8	19.7
217872 2001 QF_{195}	16.1	X	256.48374	86.36855	329.44851	13.38416	0.1087790	0.23882316	2.5728734	21	7 31.9	19.7
217873 2001 QN_{204}	17.3	X	309.38893	130.53765	234.20219	4.53935	0.1839086	0.24406105	2.5359289	21	7 22.5	20.1
217874 2001 QQ_{208}	16.0	X	100.82867	289.08506	83.83144	3.52381	0.0738234	0.21731085	2.7399866	21	—	—
217875 2001 QV_{219}	15.5	X	308.68285	75.61252	286.64133	11.61970	0.1893346	0.23984914	2.5655310	21	7 17.2	18.1
217876 2001 QE_{221}	16.2	X	354.30053	112.57216	163.65233	13.69531	0.1850405	0.24272691	2.5452128	21	6 11.6	18.8
217877 2001 QR_{225}	13.6	X	188.05622	57.53706	271.48456	9.33791	0.2454629	0.12303280	4.0036439	21	2 8.8	20.4
217878 2001 QV_{245}	16.9	X	278.30037	174.90174	170.35161	5.71513	0.2575521	0.23609271	2.5926725	21	5 3.3	20.8
217879 2001 QS_{248}	16.1	X	278.38524	326.96171	37.27267	5.69465	0.2539053	0.23696098	2.5863353	21	5 26.1	19.7
217880 2001 QX_{269}	17.1	X	321.49974	218.18055	316.76939	19.47280	0.0395034	0.37285570	1.9117988	21	—	—
217881 2001 QZ_{285}	16.1	X	354.83845	14.30560	278.51266	4.71589	0.1739541	0.24255815	2.5463932	21	7 8.9	18.2
217882 2001 QJ_{289}	16.5	X	294.89827	252.23370	125.28885	15.03343	0.1429588	0.24469217	2.5315665	21	7 24.7	19.6
217883 2001 QD_{295}	15.5	X	222.35487	241.93417	184.88248	29.98596	0.3306946	0.23373324	2.6100915	21	6 18.7	20.9
217884 2001 RK_{42}	16.6	X	297.97467	352.35245	15.07128	14.33878	0.2008590	0.24213918	2.5493297	21	7 7.4	19.9
217885 2001 RW_{73}	15.9	X	345.71898	312.79741	338.44461	8.75253	0.1508582	0.23859018	2.5745481	21	6 17.3	18.6
217886 2001 RM_{89}	16.7	X	254.99790	213.69230	162.25351	4.56708	0.2499950	0.23603619	2.5930864	21	5 19.9	20.8
217887 2001 RV_{92}	16.1	X	3.90629	330.82444	5.26189	15.08105	0.1045052	0.24587568	2.5234362	21	9 30.2	18.8
217888 2001 RA_{94}	16.6	X	59.33244	29.80410	351.54383	0.62306	0.2012239	0.25851152	2.4405223	21	—	—
217889 2001 RH_{95}	16.7	X	329.44674	30.96780	338.05977	3.02934	0.0857601	0.24751800	2.5122616	21	9 17.1	19.4
217890 2001 RG_{105}	16.2	X	339.79235	319.54392	346.79726	12.71141	0.0435364	0.24157947	2.5532658	21	7 10.1	19.5
217891 2001 RN_{118}	14.7	X	191.66510	179.94348	147.58351	3.43572	0.2225495	0.12343779	3.9948820	21	2 12.4	21.3
217892 2001 RR_{119}	16.7	X	298.52582	341.68119	35.65339	4.57056	0.2524250	0.24255810	2.5463936	21	7 12.2	19.7
217893 2001 RY_{121}	16.6	X	316.48553	278.79644	72.36683	2.61308	0.1440986	0.24258214	2.5462253	21	7 23.5	19.3
217894 2001 RE_{143}	16.6	X	317.21654	23.00435	297.31975	7.41662	0.1885113	0.23946626	2.5682649	21	5 30.6	19.5
217895 2001 RV_{151}	15.9	X	341.61834	181.92105	146.75379	16.04529	0.1458145	0.24317104	2.5421128	21	8 6.5	18.3
217896 2001 SB_{36}	16.7	X	330.60945	164.24263	142.93506	2.61448	0.2039235	0.23893810	2.5720482	21	6 4.2	19.3
217897 2001 SW_{36}	16.0	X	253.70560	57.97855	15.02461	13.92184	0.0942369	0.24111202	2.5565648	21	8 26.9	19.6
217898 2001 SH_{49}	16.8	X	315.28602	167.71142	177.50262	5.56821	0.1170266	0.23976184	2.5661538	21	7 14.5	19.9
217899 2001 SQ_{49}	16.9	X	310.50850	192.05457	151.49813	6.48949	0.3033226	0.24068699	2.5595737	21	6 3.7	19.9
217900 2001 SE_{65}	17.3	X	304.81408	158.82961	192.32033	12.37790	0.3171414	0.23980472	2.5658478	21	6 3.1	20.7
217901 2001 SJ_{70}	16.5	X	297.75216	267.43725	104.80743	6.28809	0.2928042	0.23911311	2.5707931	21	6 25.6	19.4
217902 2001 SC_{73}	16.9	X	259.99577	286.09804	334.53483	19.70286	0.0947716	0.37632679	1.9000249	21	—	—
217903 2001 SU_{82}	16.6	X	311.40326	110.15645	264.73020	1.70107	0.0383449	0.24594583	2.5229564	21	8 30.3	19.7
217904 2001 SD_{107}	16.0	X	344.59985	88.27012	223.55668	12.50517	0.1700908	0.24032084	2.5621728	21	7 12.8	18.7
217905 2001 SG_{109}	14.8	X	15.60307	105.85796	266.34335	10.42721	0.1706829	0.24757137	2.5119006	21	12 19.5	17.6
217906 2001 SB_{125}	14.0	X	232.01591	97.68052	188.10629	5.90748	0.1103193	0.12421119	3.9782821	21	1 31.2	20.1
217907 2001 SC_{141}	16.1	X	274.82404	15.52562	10.72088	5.89780	0.1346857	0.23915589	2.5704865	21	7 9.9	19.5
217908 2001 SR_{142}	17.3	X	345.24603	19.19202	289.41358	3.15352	0.2475706	0.24267602	2.5455686	21	7 6.4	18.7
217909 2001 SH_{148}	17.0	X	309.88750	7.07267	334.89661	6.85934	0.3034513	0.24093791	2.5577963	21	5 28.4	20.0
217910 2001 SX_{157}	16.2	X	268.57919	177.16699	238.33191	3.90233	0.1640459	0.24110540	2.5566116	21	8 3.8	19.8
217911 2001 SK_{175}	17.1	X	263.65348	25.71509	37.63992	5.12928	0.1415889	0.29142991	2.2530974	21	8 18.7	19.8
217912 2001 SA_{178}	16.5	X	312.36585	147.63326	192.52978	8.44185	0.1790867	0.23948417	2.5681369	21	6 22.8	19.5
217913 2001 SC_{197}	16.8	X	339.29072	119.65368	179.63860	5.40274	0.2742522	0.24145614	2.5541352	21	5 31.2	18.8
217914 2001 SR_{213}	17.0	X	335.64141	206.94827	133.86167	2.95911	0.1136534	0.24315196	2.5422457	21	8 16.1	19.4
217915 2001 SY_{228}	17.1	X	314.04888	174.18307	164.48758	4.85436	0.2986400	0.24077000	2.5589854	21	6 3.0	20.0
217916 2001 SD_{271}	16.5	X	305.81842	148.64269	202.16926	8.35642	0.1800221	0.23954378	2.5677109	21	6 26.6	19.6
217917 2001 SN_{313}	16.0	X	253.32148	225.65454	156.60845	13.38454	0.1055498	0.23590471	2.5940498	21	6 11.8	20.0
217918 2001 SY_{315}	15.8	X	255.77999	25.86066	354.52668	12.15566	0.1811524	0.23326463	2.6135860	21	5 29.5	20.0
217919 2001 SH_{316}	15.5	X	312.08597	82.76579	307.27936	10.46987	0.3033237	0.24180151	2.5517025	21	8 14.6	17.5
217920 2001 ST_{316}	15.8	X	289.19455	65.49928	312.67935	12.24029	0.1961565	0.23649975	2.5896969	21	7 9.5	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217921 2001 SN_{324}	16.9	X	279.52335	102.83759	266.61875	5.31341	0.1631472	0.23978292	2.5660033	21	6 17.4	20.1
217922 2001 SG_{339}	17.4	X	83.32527	79.39355	314.36920	17.50366	0.1009098	0.36412927	1.9422225	21	—	—
217923 2001 SR_{345}	15.7	X	338.01714	42.39405	306.66751	10.96741	0.0787813	0.24453936	2.5326210	21	8 29.9	18.7
217924 2001 TK	17.2	X	253.69705	202.55173	187.36885	1.67102	0.1685372	0.23668830	2.5883213	21	6 13.2	21.1
217925 2001 TO_{3}	16.6	X	274.32023	22.03858	12.46218	2.40453	0.1307728	0.23889776	2.5723378	21	7 20.9	19.9
217926 2001 TW_{5}	16.7	X	343.71051	185.31126	138.12316	7.14419	0.2522205	0.24395949	2.5366326	21	7 27.9	18.2
217927 2001 TU_{13}	15.9	X	269.71494	284.16159	76.74328	13.45417	0.2305673	0.23447607	2.6045760	21	5 18.3	19.8
217928 2001 TL_{21}	16.5	X	316.62935	203.36118	110.79231	4.62949	0.2315239	0.23873611	2.5734988	21	5 15.4	19.5
217929 2001 TT_{22}	16.3	X	292.37109	107.84031	261.11432	1.68497	0.1868318	0.23877677	2.5732066	21	6 30.9	19.4
217930 2001 TG_{23}	16.5	X	262.40486	148.72933	238.20062	6.50817	0.1545921	0.23792578	2.5793387	21	6 20.7	20.2
217931 2001 TL_{40}	15.2	X	223.62656	174.84118	269.31207	11.20843	0.2500319	0.23240953	2.6199928	21	7 14.8	19.8
217932 2001 TP_{49}	16.7	X	267.78183	203.49252	187.36004	5.10342	0.2862757	0.23594281	2.5937706	21	6 15.5	20.6
217933 2001 TX_{69}	16.2	X	331.11246	341.21259	2.70173	3.83363	0.0344160	0.24056593	2.5604323	21	8 18.3	19.3
217934 2001 TG_{74}	16.5	X	221.23610	218.93948	218.70199	3.61731	0.2104122	0.23431170	2.6057939	21	7 8.0	20.7
217935 2001 TZ_{78}	16.9	X	104.77018	167.78435	213.12332	20.08589	0.0835210	0.36215904	1.9492603	21	—	—
217936 2001 TJ_{96}	16.3	X	243.45459	157.75682	245.16497	2.39120	0.1038914	0.23549050	2.5970907	21	6 26.1	19.8
217937 2001 TW_{106}	16.2	X	253.07659	135.10597	252.23866	3.78203	0.3107960	0.23312361	2.6146399	21	5 26.0	20.4
217938 2001 TS_{107}	15.7	X	303.82756	147.60789	253.44370	5.00461	0.2978903	0.23996646	2.5646948	21	8 14.3	18.2
217939 2001 TO_{123}	16.3	X	271.14922	200.94571	210.37327	26.23285	0.2393053	0.24047353	2.5610882	21	7 15.7	20.5
217940 2001 TO_{132}	15.9	X	269.07490	99.74568	332.06348	12.18947	0.2479633	0.24131809	2.5551092	21	8 16.7	19.2
217941 2001 TL_{141}	16.7	X	347.38273	162.19070	133.29252	5.03240	0.1351098	0.23902707	2.5714100	21	6 28.5	19.2
217942 2001 TF_{146}	16.2	X	339.22104	198.58992	114.48028	5.48754	0.1268690	0.23934420	2.5691381	21	7 10.1	18.8
217943 2001 TU_{191}	16.4	X	247.91811	101.42166	336.15273	3.23166	0.2686042	0.23669361	2.5882826	21	7 28.7	20.4
217944 2001 TX_{210}	15.9	X	333.26320	298.69543	329.82390	14.21828	0.0880264	0.23391718	2.6087230	21	4 21.3	19.4
217945 2001 TG_{212}	15.8	X	356.72759	55.70178	227.08336	16.33408	0.2065076	0.24021087	2.5629548	21	6 23.7	18.2
217946 2001 TS_{217}	16.9	X	344.66468	27.08221	273.63202	4.71749	0.2456246	0.24070098	2.5594745	21	6 20.8	18.7
217947 2001 TY_{226}	16.2	X	308.70103	314.46654	29.20675	12.84674	0.2954579	0.24210336	2.5495811	21	5 28.9	19.3
217948 2001 TT_{231}	16.1	X	294.00860	239.81982	132.99559	16.01857	0.1879998	0.24014358	2.5634336	21	7 8.9	19.3
217949 2001 UN_{5}	16.0	X	301.74570	252.81104	91.40434	6.50206	0.3289732	0.23690084	2.5867730	21	5 18.7	19.3
217950 2001 UM_{15}	16.5	X	254.90054	150.39948	238.90723	3.86777	0.1416374	0.23519128	2.5992930	21	6 16.9	20.1
217951 2001 UC_{26}	16.5	X	238.12848	351.15093	324.43652	5.87344	0.2666739	0.27674642	2.3321047	21	2 16.1	20.4
217952 2001 UK_{29}	16.5	X	310.63835	262.75966	94.78782	5.62236	0.2514470	0.24083717	2.5585095	21	7 3.3	19.2
217953 2001 UG_{37}	16.5	X	339.55236	173.59857	164.32889	10.89628	0.2031222	0.24265900	2.5456877	21	8 12.7	18.7
217954 2001 UP_{73}	16.8	X	278.72025	332.93263	47.77972	6.90180	0.1494615	0.23746826	2.5826507	21	7 4.6	20.3
217955 2001 UV_{108}	16.2	X	259.65617	305.21734	98.63601	4.43144	0.1398962	0.23547722	2.5971883	21	7 12.6	19.8
217956 2001 UJ_{109}	16.6	X	281.32435	305.58525	58.19928	5.77127	0.2500072	0.23535452	2.5980910	21	5 29.9	20.2
217957 2001 UF_{131}	16.5	X	307.76691	97.25791	213.74806	10.72450	0.2023580	0.23384258	2.6092778	21	5 1.4	19.7
217958 2001 UW_{140}	16.8	X	191.99738	353.52427	125.61865	0.56406	0.1009097	0.23678714	2.5876010	21	8 8.4	20.6
217959 2001 UM_{154}	16.1	X	264.28617	141.31496	243.87053	2.54655	0.0982977	0.23332969	2.6131001	21	6 28.8	19.6
217960 2001 UO_{157}	16.5	X	279.26207	216.25656	133.33343	3.42363	0.1955674	0.23345893	2.6121356	21	5 17.7	20.1
217961 2001 UO_{167}	16.0	X	274.21649	47.79842	322.16432	9.39732	0.1970078	0.23423299	2.6063776	21	6 5.6	19.8
217962 2001 UK_{193}	15.6	X	300.96974	9.54561	308.87695	10.90631	0.2349702	0.23589787	2.5940999	21	4 20.5	19.3
217963 2001 UC_{204}	16.7	X	267.47735	325.23475	12.56116	3.32092	0.1743524	0.23164795	2.6257321	21	4 20.3	20.6
217964 2001 UZ_{212}	16.7	X	305.59567	122.85181	206.93447	13.41790	0.2051380	0.23634910	2.5907972	21	5 24.4	20.0
217965 2001 UJ_{221}	16.1	X	263.60231	339.66090	48.28168	4.97526	0.0675935	0.23389939	2.6088553	21	7 6.9	19.5
217966 2001 VT_{10}	15.1	X	8.96458	81.72698	266.00926	13.79000	0.1729491	0.24584979	2.5236134	21	10 31.3	18.0
217967 2001 VQ_{20}	16.5	X	277.19598	124.58318	243.11785	3.63669	0.2500330	0.23582972	2.5945997	21	5 30.7	20.2
217968 2001 VW_{23}	16.5	X	279.90725	11.47344	7.51349	2.63566	0.1859710	0.23615446	2.5922206	21	6 27.7	19.9
217969 2001 VB_{24}	16.2	X	331.88582	26.01684	32.96696	1.82386	0.0894510	0.24728315	2.5138520	21	12 1.8	19.0
217970 2001 VK_{25}	16.5	X	218.16194	32.69022	37.69584	4.28247	0.1370837	0.23239016	2.6201384	21	7 1.5	20.6
217971 2001 VY_{25}	16.3	X	221.35932	167.56131	238.93973	3.63361	0.2548445	0.23080942	2.6320877	21	5 28.3	20.7
217972 2001 VD_{26}	15.6	X	263.11261	139.87648	235.96361	12.68040	0.1654086	0.23307136	2.6150306	21	6 5.6	19.3
217973 2001 VA_{31}	15.9	X	245.89115	276.06792	59.14944	7.52048	0.2307230	0.22591830	2.6699417	21	3 27.4	20.4
217974 2001 VJ_{35}	16.1	X	341.71155	85.21953	314.32229	1.93251	0.1582795	0.24554855	2.5256769	21	11 24.7	18.4
217975 2001 VY_{42}	15.3	X	251.34879	160.32173	247.60325	14.38811	0.1131539	0.23312004	2.6146666	21	7 8.6	19.2
217976 2001 VR_{44}	15.4	X	6.43596	232.57102	160.56451	1.02398	0.1509811	0.24770539	2.5109944	21	12 30.6	18.2
217977 2001 VK_{51}	16.6	X	264.73246	112.30869	284.57611	4.13899	0.3192167	0.23731785	2.5837418	21	6 16.4	20.5
217978 2001 VQ_{73}	16.2	X	259.66210	103.43676	246.92207	3.81817	0.1077029	0.22867756	2.6484210	21	5 5.9	20.1
217979 2001 VG_{78}	15.6	X	143.60975	285.01886	153.10024	8.85520	0.2646528	0.22212972	2.7002145	21	5 10.8	20.3
217980 2001 VJ_{85}	15.9	X	308.51908	36.52573	248.98579	13.89573	0.0976080	0.22813337	2.6526310	21	4 10.3	19.6
217981 2001 VN_{88}	16.3	X	263.24943	313.80035	69.34769	14.04747	0.1927633	0.23556558	2.5965388	21	6 11.1	20.1
217982 2001 VY_{94}	15.6	X	207.06620	325.55877	121.11241	14.14919	0.2510252	0.23123568	2.6288521	21	7 5.8	20.1
217983 2001 VT_{98}	15.6	X	317.28526	160.99489	199.73291	14.23589	0.3115371	0.23966896	2.5668167	21	7 7.3	18.4
217984 2001 VD_{108}	15.8	X	162.15744	175.54844	240.96828	13.75951	0.0752381	0.22332926	2.6905370	21	4 12.2	19.9
217985 2001 VB_{116}	15.6	X	174.37388	147.37648	255.95472	13.75787	0.1062083	0.22256203	2.6967167	21	4 9.1	20.0
217986 2001 VN_{124}	16.2	X	246.55211	307.61690	81.85631	3.94374	0.0917342	0.23078736	2.6322555	21	6 13.4	20.0
217987 2001 VG_{131}	15.9	X	216.03962	279.95637	101.87166	14.99605	0.0736459	0.22747345	2.6577588	21	5 6.9	20.1
217988 2001 WT_{19}	15.6	X	39.72481	304.74112	244.85354	7.57589	0.1118577	0.22460701	2.6803232	21	4 30.3	18.6
217989 2001 WU_{46}	15.7	X	324.12132	300.76884	40.70271	6.73481	0.0711718	0.23560646	2.5962385	21	8 2.1	18.9
217990 2001 WA_{55}	16.8	X	224.00732	128.57225	264.69238	0.85650	0.1126764	0.23040519	2.6351654	21	5 21.7	20.8
217991 2001 WN_{55}	14.4	X	126.09751	245.94943	231.94068	7.66896	0.1528575	0.12558278	3.9492625	21	6 4.3	20.5
217992 2001 WM_{64}	15.8	X	247.30040	66.46963	262.66281	4.48445	0.0670552	0.22242056	2.6978601	21	3 28.3	19.7
217993 2001 WE_{84}	16.4	X	227.30062	130.05245	230.82611	5.34996	0.0640996	0.22478236	2.6789291	21	4 16.2	20.2
217994 2001 WD_{100}	16.4	X	262.23292	58.56903	320.44390	2.95510	0.2486726	0.23291827	2.6161763	21	5 29.3	20.4
217995 2001 WE_{100}	15.6	X	246.70728	85.18228	281.36060	13.70237	0.1484253	0.22605921	2.6688320	21	5 5.3	20.0
217996 2001 XD_{14}	15.7	X	229.08136	305.42292	57.22124	14.09684	0.2800214	0.22596807	2.6695496	21	4 15.1	20.6
217997 2001 XY_{14}	15.5	X	301.77988	8.36927	25.05718	8.16817	0.1968377	0.23762097	2.5815440	21	8 23.9	18.4
217998 2001 XU_{16}	15.8	X	208.77101	54.35876	305.79297	6.85752	0.2331413	0.22279571	2.6948308	21	3 21.5	20.6
217999 2001 XH_{54}	15.8	X	196.54198	273.03349	97.97547	13.97492	0.1977019	0.22309471	2.6924224	21	4 4.2	20.6
218000 2001 XD_{71}	16.7	X	241.64659	209.34250	187.12492	6.11892	0.2550092	0.23292128	2.6161538	21	6 2.2	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218001 2001 XQ_{72}	16.3	X	269.97784	267.44393	108.56786	3.32515	0.2161377	0.23470306	2.6028964	21	6 7.3	20.0
218002 2001 XK_{75}	16.0	X	231.00071	29.29957	340.45264	2.94931	0.1045256	0.22586448	2.6703658	21	4 28.7	20.0
218003 2001 XL_{80}	15.9	X	236.61325	262.59549	164.15768	5.75525	0.2057481	0.23366611	2.6105914	21	7 8.9	20.0
218004 2001 XO_{86}	16.1	X	285.78286	127.87467	268.65927	3.99989	0.3433957	0.23662185	2.5888059	21	7 4.8	19.8
218005 2001 XN_{104}	16.7	X	108.58704	47.02248	265.13938	16.81075	0.0843411	0.35173603	1.9875809	21	—	—
218006 2001 XU_{113}	16.3	X	299.62441	253.29501	119.21172	6.59805	0.3448404	0.23737456	2.5833303	21	6 20.1	19.5
218007 2001 XZ_{127}	16.9	X	289.76712	156.49396	207.29497	1.87553	0.2484562	0.23623888	2.5916029	21	6 10.1	20.3
218008 2001 XQ_{157}	16.7	X	232.20009	222.83341	178.97695	2.64519	0.1722619	0.22968425	2.6406767	21	6 6.3	20.8
218009 2001 XU_{202}	16.5	X	265.02812	264.94719	137.89571	4.03984	0.1615260	0.23638901	2.5905056	21	7 14.4	20.2
218010 2001 XF_{217}	15.8	X	210.32465	312.73626	91.31599	4.26131	0.2498704	0.22683394	2.6627518	21	5 17.8	20.4
218011 2001 XS_{224}	16.0	X	113.63515	194.27834	287.89573	4.47756	0.0212291	0.22456510	2.6806568	21	5 3.5	19.7
218012 2001 XD_{227}	16.5	X	245.96042	49.61139	336.09313	1.92657	0.0911987	0.23048904	2.6345262	21	6 7.5	20.2
218013 2001 XL_{227}	15.9	X	300.97107	8.65895	263.33474	8.26148	0.0333722	0.22146023	2.7056538	21	3 23.6	19.8
218014 2001 XO_{228}	15.8	X	202.17660	280.06792	68.03511	14.71852	0.1030636	0.21938650	2.7226770	21	3 13.2	20.3
218015 2001 XR_{228}	15.8	X	243.04311	90.03797	269.48450	11.16028	0.2034676	0.22819836	2.6521274	21	4 17.7	20.3
218016 2001 XV_{238}	16.3	X	306.39513	311.86404	81.31206	2.44041	0.2684318	0.23935216	2.5690811	21	8 16.7	18.6
218017 2001 XV_{266}	19.6	X	276.43508	265.09130	214.08942	12.00295	0.1926821	0.75324842	1.1963104	21	—	—
218018 2001 YR_{7}	15.5	X	318.87889	65.72130	270.87674	13.29026	0.1379057	0.23526769	2.5987302	21	7 5.1	18.2
218019 2001 YX_{14}	17.0	X	55.30244	132.28110	270.31351	17.24306	0.0968863	0.35692600	1.9682666	21	—	—
218020 2001 YN_{32}	16.2	X	261.73575	13.57259	359.17274	1.52495	0.1089723	0.23087376	2.6315987	21	6 7.1	19.7
218021 2001 YY_{32}	15.8	X	261.11416	2.45656	292.00636	4.38800	0.0381670	0.21860103	2.7291951	21	3 4.4	19.7
218022 2001 YK_{42}	16.6	X	253.87247	84.35689	306.80725	3.50278	0.2588601	0.23300482	2.6155284	21	6 4.9	20.9
218023 2001 YL_{45}	15.5	X	286.19935	61.91230	267.58589	13.62510	0.1046450	0.22735399	2.6586898	21	5 10.3	19.2
218024 2001 YC_{56}	15.6	X	221.38038	131.31539	288.83921	7.21485	0.1758522	0.23055405	2.6340310	21	6 18.8	19.8
218025 2001 YC_{59}	16.2	X	39.18183	241.52099	304.91556	3.89324	0.0926804	0.22000098	2.7176048	21	4 23.0	19.5
218026 2001 YN_{89}	15.7	X	273.09535	63.85225	297.86334	11.71231	0.2916930	0.23009390	2.6375415	21	5 10.6	20.1
218027 2001 YA_{108}	15.7	X	230.65080	264.74552	127.75629	13.42342	0.2802093	0.22715300	2.6602578	21	5 21.1	20.6
218028 2001 YQ_{109}	15.6	X	326.71926	67.94148	317.40102	3.95570	0.2539257	0.23977685	2.5660466	21	9 22.9	17.5
218029 2001 YJ_{137}	15.5	X	114.33728	137.35752	303.56241	16.10609	0.0845251	0.21585646	2.7522805	21	3 14.2	19.7
218030 2001 YQ_{143}	16.0	X	210.19828	86.86886	328.82816	6.00910	0.0787536	0.22712545	2.6604730	21	6 6.3	19.9
218031 2002 AL_{2}	15.8	X	258.78218	240.69847	152.94199	29.44919	0.2713468	0.23370499	2.6103018	21	6 16.4	20.5
218032 2002 AU_{9}	16.1	X	140.02082	127.26483	304.55450	9.08050	0.2015816	0.21749073	2.7384756	21	4 18.3	20.6
218033 2002 AB_{15}	15.0	X	350.76004	308.72424	16.80320	13.72656	0.2208921	0.23567681	2.5957218	21	8 30.1	17.3
218034 2002 AJ_{36}	15.8	X	258.82339	252.23773	124.02470	13.19813	0.2507801	0.23171318	2.6252392	21	5 26.4	20.1
218035 2002 AA_{43}	15.9	X	323.48888	338.70160	225.59036	3.08431	0.0375370	0.21006492	2.8026382	21	1 30.0	19.7
218036 2002 AP_{104}	16.0	X	162.37817	117.79295	299.21999	7.24095	0.2170096	0.21989967	2.7184395	21	4 21.9	20.7
218037 2002 AU_{133}	15.4	X	287.93067	264.69173	108.60466	24.12540	0.2842967	0.23498089	2.6008443	21	6 17.9	19.1
218038 2002 AE_{137}	16.1	X	182.28425	147.69767	264.29803	2.75659	0.0883508	0.22096055	2.7097312	21	5 1.9	20.2
218039 2002 AS_{145}	16.1	X	194.89614	56.44942	269.07558	2.62041	0.0945241	0.21013520	2.8020132	21	1 30.1	20.4
218040 2002 AY_{206}	16.5	X	306.75047	200.06315	163.80014	13.70984	0.2157028	0.23925326	2.5697891	21	7 10.9	19.6
218041 2002 BC_{3}	15.2	X	225.81237	48.09019	353.35238	13.45044	0.3062803	0.22838728	2.6506645	21	5 18.9	20.2
218042 2002 BB_{25}	16.9	X	163.64993	95.61157	330.92896	6.23876	0.1052228	0.26910460	2.3760485	21	4 25.7	20.5
218043 2002 BX_{29}	15.2	X	265.04385	36.54861	1.86333	13.09909	0.1792862	0.23114493	2.6295401	21	7 8.7	19.2
218044 2002 CO_{44}	16.9	X	9.01023	120.87285	296.65474	16.06679	0.1022438	0.34747938	2.0037799	21	—	—
218045 2002 CM_{68}	16.4	X	183.69811	278.48163	129.32264	3.75308	0.2052999	0.22065927	2.7121972	21	5 2.6	21.0
218046 2002 CP_{120}	16.4	X	205.44769	93.18958	301.68378	2.52549	0.2168916	0.22261613	2.6962799	21	5 1.9	21.1
218047 2002 CS_{120}	15.9	X	202.92807	259.92059	134.31617	16.17476	0.1966014	0.22142123	2.7059715	21	5 6.4	20.8
218048 2002 CH_{176}	16.0	X	3.97630	172.96620	331.37906	5.00824	0.0138676	0.20620037	2.8375472	21	1 12.6	19.9
218049 2002 CO_{213}	16.2	X	303.20174	52.54871	147.40069	2.67667	0.0093689	0.20290967	2.8681436	21	1 5.7	20.3
218050 2002 CM_{226}	15.0	X	211.78611	33.20216	303.49813	19.92022	0.1117380	0.21053675	2.7984493	21	2 22.2	19.7
218051 2002 CZ_{303}	14.9	X	78.25558	302.96448	315.76143	20.04175	0.2153242	0.17652031	3.1473106	21	9 29.8	20.0
218052 2002 CT_{311}	16.1	X	294.73004	228.27111	322.88914	3.43646	0.0845860	0.19897539	2.9058273	21	—	—
218053 2002 DT_{1}	17.4	X	328.48702	30.43671	266.89109	1.93552	0.2453463	0.31891165	2.1217251	21	4 27.1	18.9
218054 2002 DG_{15}	15.5	X	12.57822	351.67568	165.36548	8.04072	0.0432446	0.20629177	2.8367089	21	2 4.9	19.4
218055 2002 EF_{4}	15.7	X	162.98322	125.90260	168.12292	11.08680	0.0690484	0.19295929	2.9659165	21	—	—
218056 2002 ET_{35}	16.0	X	88.50981	346.73089	318.48289	3.86634	0.1479264	0.18429622	3.0581475	21	12 8.1	20.7
218057 2002 ET_{41}	15.0	X	124.43046	281.37869	329.22108	15.01218	0.2284192	0.18043247	3.1016509	21	11 6.3	20.6
218058 2002 EA_{45}	15.4	X	147.03963	281.14268	326.25750	8.19316	0.0650925	0.18400807	3.0613393	21	11 21.6	20.2
218059 2002 EW_{46}	15.1	X	108.97821	85.94383	149.03590	17.66882	0.1558780	0.17506471	3.1647323	21	10 11.2	20.2
218060 2002 EJ_{54}	15.0	X	105.18307	304.79088	340.08950	12.39668	0.1173277	0.18216962	3.0819015	21	11 25.1	20.0
218061 2002 EG_{65}	15.9	X	102.88773	248.75728	170.24239	2.11407	0.0583559	0.20320666	2.8653483	21	2 6.8	19.6
218062 2002 EQ_{70}	15.7	X	220.10260	31.72231	178.65765	2.33667	0.1798406	0.18755319	3.0226399	21	12 15.5	20.3
218063 2002 EB_{101}	14.9	X	84.06060	114.08734	140.01673	25.73550	0.2221497	0.17492234	3.1664493	21	10 19.4	20.2
218064 2002 EL_{105}	15.4	X	127.67267	69.54767	158.13558	17.26000	0.0973945	0.17834958	3.1257530	21	10 16.1	20.4
218065 2002 EO_{106}	17.2	X	256.56465	139.18936	101.95140	5.40086	0.2097003	0.29827135	2.2185115	21	—	—
218066 2002 EF_{135}	15.4	X	125.67863	65.10773	196.03900	10.64566	0.0328886	0.18226610	3.0808138	21	11 16.8	19.9
218067 2002 EC_{148}	15.9	X	53.95325	303.16456	153.31982	2.49018	0.0336331	0.20094309	2.8868264	21	1 17.9	19.6
218068 2002 FX_{1}	15.7	X	265.27736	29.28242	179.15225	16.75067	0.0493137	0.19504364	2.9447483	21	—	—
218069 2002 FN_{19}	16.3	X	271.18583	226.97229	338.86238	1.30324	0.0374981	0.19701160	2.9251054	21	—	—
218070 2002 FL_{37}	12.7	X	319.47433	53.89430	6.45215	22.78534	0.0548738	0.08517689	5.1158939	21	10 14.1	19.3
218071 2002 GO_{44}	15.4	X	241.78876	220.95076	336.31250	8.73318	0.0241484	0.18922283	3.0048332	21	—	—
218072 2002 GO_{58}	15.2	X	188.99833	1.04087	199.82701	10.00847	0.0537739	0.18080062	3.0974391	21	11 14.0	19.8
218073 2002 GQ_{65}	15.1	X	29.12660	357.15152	25.38563	22.93161	0.0472988	0.18368572	3.0649198	21	12 15.5	19.7
218074 2002 GR_{70}	14.3	X	65.59227	294.96569	45.75676	15.16315	0.2863519	0.17694587	3.1422623	21	—	—
218075 2002 GY_{70}	15.0	X	53.03461	198.40264	99.76814	6.13506	0.1453651	0.17305978	3.1891280	21	10 22.5	19.4
218076 2002 GK_{77}	15.0	X	269.60110	35.52253	166.04916	9.65252	0.0548139	0.19318508	2.9636050	21	—	—
218077 2002 GY_{88}	15.0	X	118.44991	112.47957	162.61009	14.91327	0.1326436	0.17762110	3.1342936	21	12 2.2	20.2
218078 2002 GT_{89}	17.5	X	263.82065	108.35953	200.82162	4.67350	0.2059147	0.30547626	2.1834893	21	2 27.7	20.8
218079 2002 GQ_{91}	15.0	X	198.55452	59.73257	149.83196	9.34449	0.0649786	0.18364738	3.0653464	21	12 4.6	19.7
218080 2002 GY_{101}	15.3	X	268.90430	344.32892	140.06400	9.71092	0.0482510	0.18172771	3.0868957	21	11 17.7	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218081 2002 GS_{117}	15.1	X	153.32549	107.12673	158.44938	11.74692	0.0368127	0.18506500	3.0496724	21	12 22.4	19.7
218082 2002 GU_{118}	17.0	X	224.98645	211.88968	71.08233	4.07247	0.3168692	0.29589665	2.2303654	21	—	—
218083 2002 GQ_{134}	14.7	X	352.53860	341.94199	12.90211	15.99422	0.0871795	0.17429704	3.1740179	21	9 28.4	18.7
218084 2002 GO_{136}	15.6	X	81.12022	290.13683	340.67474	2.29044	0.1670591	0.17279313	3.1924080	21	10 21.4	20.4
218085 2002 GJ_{143}	15.2	X	40.76371	296.49408	7.58823	3.26691	0.0412412	0.17234899	3.1978903	21	9 26.5	19.5
218086 2002 GM_{148}	15.3	X	88.20039	288.33635	4.45873	5.13842	0.1238806	0.17845338	3.1245407	21	11 19.1	20.1
218087 2002 GZ_{184}	15.4	X	61.52813	263.23035	41.90195	5.82813	0.1889166	0.17307263	3.1889702	21	11 13.1	19.8
218088 2002 HT_{6}	15.0	X	173.31874	230.36091	1.60457	8.82045	0.1100686	0.18104078	3.0946992	21	11 28.7	20.0
218089 2002 HY_{13}	14.7	X	185.01818	37.22377	168.54242	28.10976	0.1186541	0.17894654	3.1187975	21	11 14.9	20.1
218090 2002 JS_{7}	14.9	X	154.87444	52.12261	191.98399	11.39368	0.0511377	0.17944854	3.1129783	21	11 28.6	19.7
218091 2002 JR_{10}	17.1	X	265.06979	105.60862	157.23131	6.70572	0.1545904	0.29985229	2.2107068	21	1 6.1	20.4
218092 2002 JQ_{19}	15.0	X	233.20937	335.47077	178.55766	10.16655	0.0328007	0.17793154	3.1306469	21	11 10.8	19.6
218093 2002 JV_{38}	17.1	X	6.12590	288.20886	269.15310	3.51946	0.0918994	0.30597698	2.1811066	21	2 24.4	19.3
218094 2002 JD_{79}	17.6	X	311.22193	261.76524	340.32646	1.68287	0.1490715	0.30437170	2.1887687	21	1 29.5	20.2
218095 2002 JC_{123}	15.3	X	106.41442	132.69332	145.10479	10.60566	0.0554276	0.17785018	3.1316016	21	11 18.0	20.1
218096 2002 KB_{14}	17.1	X	246.59103	113.20703	142.64492	8.46367	0.1561988	0.29448831	2.2374706	21	—	—
218097 Maoxianxin	15.2	X	197.58874	31.01532	158.13075	10.09031	0.0540511	0.17556629	3.1587018	21	11 10.4	20.0
218098 2002 MG	15.7	X	129.03760	130.43247	224.90575	23.78874	0.2769062	0.28266563	2.2994328	21	—	—
218099 2002 MH_{3}	16.1	X	140.08272	227.85490	109.40615	7.64001	0.2377465	0.28102139	2.3083932	21	—	—
218100 2002 NY_{3}	17.5	X	195.98659	106.92251	162.72906	3.10009	0.1594241	0.28565063	2.2833856	21	—	—
218101 2002 NH_{27}	17.0	X	156.98024	42.79400	269.57993	0.88710	0.2599951	0.28172212	2.3045639	21	—	—
218102 2002 NL_{35}	17.1	X	173.96926	136.59691	183.59264	6.05173	0.1788154	0.28638454	2.2794829	21	—	—
218103 2002 NJ_{49}	16.5	X	217.21893	299.74703	306.12790	23.21554	0.2608402	0.28431078	2.2905538	21	—	—
218104 2002 NO_{55}	16.7	X	163.59330	98.98690	218.54892	3.41022	0.2689696	0.28413094	2.2915202	21	—	—
218105 2002 NN_{62}	17.5	X	146.97669	337.03173	344.74671	1.03802	0.2285014	0.28337419	2.2955981	21	—	—
218106 2002 OO_{15}	16.3	X	0.94276	238.08183	263.49544	10.96619	0.0391556	0.28751942	2.2734806	21	—	—
218107 2002 OM_{16}	17.1	X	215.92222	31.11072	229.73387	6.06415	0.1423353	0.28674158	2.2775903	21	—	—
218108 2002 OC_{22}	17.5	X	153.54907	205.70700	131.30998	1.84234	0.2466534	0.28472178	2.2883490	21	1 4.4	20.8
218109 2002 OU_{22}	15.7	X	129.04337	46.93376	268.13230	23.70495	0.1883898	0.27673899	2.3321464	21	—	—
218110 2002 OP_{27}	16.8	X	63.48117	120.18251	268.50947	5.61334	0.1070721	0.27732525	2.3288585	21	—	—
218111 2002 PW_{16}	17.7	X	161.82688	158.40729	137.44685	2.38165	0.2477163	0.28274384	2.2990087	21	—	—
218112 2002 PQ_{21}	17.0	X	99.98246	204.11076	183.34691	1.93287	0.2251234	0.28221748	2.3018664	21	—	—
218113 2002 PS_{53}	16.4	X	137.24355	71.40770	346.54375	6.76224	0.1471356	0.29180465	2.2511680	21	3 18.9	19.2
218114 2002 PP_{59}	16.8	X	128.96552	120.21343	155.95787	9.09954	0.2664634	0.27412882	2.3469270	21	12 26.1	21.1
218115 2002 PL_{60}	17.2	X	137.38880	229.61693	107.73786	3.58585	0.2540441	0.28034196	2.3121215	21	—	—
218116 2002 PG_{68}	17.7	X	178.47878	107.67146	149.29405	4.41724	0.2932932	0.28127883	2.3069846	21	—	—
218117 2002 PT_{71}	17.2	X	189.25960	90.92791	196.66026	6.62705	0.1206381	0.28472417	2.2883362	21	—	—
218118 2002 PP_{79}	17.0	X	152.11193	239.81855	99.85464	6.61582	0.2043957	0.28430331	2.2905939	21	1 1.4	20.1
218119 2002 PV_{105}	17.2	X	132.64015	79.30066	256.22662	5.20359	0.1300693	0.28152324	2.3056491	21	—	—
218120 2002 PR_{110}	17.1	X	162.66167	234.00094	87.92354	5.96718	0.1433259	0.28446712	2.2897145	21	—	—
218121 2002 PB_{112}	16.2	X	13.72492	157.70158	314.32435	24.49826	0.1574339	0.28278420	2.2987899	21	—	—
218122 2002 PF_{113}	16.1	X	179.49559	325.51729	332.05721	24.11910	0.1394872	0.28444875	2.2898131	21	—	—
218123 2002 PR_{114}	16.6	X	110.86656	58.61953	313.36667	3.89390	0.1389930	0.28160749	2.3051892	21	—	—
218124 2002 PS_{120}	16.5	X	69.62580	137.50823	291.95976	4.58639	0.1380810	0.28297608	2.2977507	21	—	—
218125 2002 PZ_{125}	16.9	X	141.72244	356.01842	346.09270	5.27614	0.2054883	0.28325816	2.2962249	21	—	—
218126 2002 PY_{132}	17.4	X	146.84456	188.55011	165.55735	2.51147	0.1909071	0.28575980	2.2828040	21	1 11.8	20.4
218127 2002 PK_{139}	16.2	X	178.61785	330.61392	348.81880	24.98492	0.2294402	0.28452434	2.2894075	21	1 11.9	20.3
218128 2002 PQ_{178}	17.0	X	26.37753	141.54983	279.73693	8.81463	0.2378673	0.27334311	2.3514223	21	—	—
218129 2002 QU_{20}	17.2	X	138.63205	354.76704	343.67220	3.45552	0.2616336	0.28148867	2.3058379	21	—	—
218130 2002 QQ_{27}	17.6	X	116.96926	260.27671	84.18012	4.19803	0.2077348	0.27965645	2.3158983	21	—	—
218131 2002 QT_{45}	17.0	X	135.66958	44.89446	302.47195	1.76783	0.2035955	0.28202085	2.3029362	21	—	—
218132 2002 QU_{45}	16.7	X	86.88019	61.16493	324.78480	4.40503	0.1331542	0.27942002	2.3172045	21	—	—
218133 2002 QG_{89}	18.1	X	174.25130	118.18560	178.08109	2.51610	0.1781072	0.28270830	2.2992014	21	—	—
218134 2002 QU_{121}	16.0	X	71.12995	86.24706	320.31889	15.61108	0.2446468	0.17459156	3.1704475	21	1 13.1	19.7
218135 2002 QC_{126}	17.3	X	113.52156	177.51866	191.26218	4.03284	0.1595796	0.28126486	2.3070610	21	—	—
218136 2002 QA_{133}	17.4	X	134.15291	221.20161	134.50822	7.17344	0.1671571	0.28412170	2.2915699	21	—	—
218137 2002 RB_{21}	17.5	X	139.87606	315.51399	20.23025	2.91363	0.2379135	0.28109715	2.3079785	21	—	—
218138 2002 RT_{29}	16.8	X	78.94875	8.63010	298.57132	5.49919	0.1380010	0.26905374	2.3763479	21	12 13.8	20.1
218139 2002 RV_{29}	17.5	X	149.64209	76.12427	253.74812	4.61199	0.1858599	0.28205157	2.3027690	21	—	—
218140 2002 RP_{33}	14.8	X	169.24415	310.45996	330.77103	12.42418	0.1131384	0.17342399	3.1846614	21	—	—
218141 2002 RV_{44}	16.6	X	146.97298	195.23951	153.91126	8.47291	0.1426972	0.28340766	2.2954173	21	—	—
218142 2002 RY_{47}	15.7	X	98.93734	339.60841	3.93380	11.34391	0.1217685	0.22316375	2.6918671	21	—	—
218143 2002 RC_{60}	16.4	X	103.55728	165.04429	220.09919	4.64160	0.1803846	0.28042782	2.3116495	21	—	—
218144 2002 RL_{66}	15.0	X	101.88749	74.94932	23.94596	22.72639	0.3418721	0.28172656	2.3045397	21	4 26.4	18.2
218145 2002 RZ_{71}	15.6	X	107.68655	44.21378	338.19485	10.88979	0.1665012	0.17731241	3.1379304	21	1 22.4	20.1
218146 2002 RD_{72}	16.4	X	150.19377	196.90807	164.16797	6.84937	0.1363202	0.28561342	2.2835839	21	1 17.0	19.4
218147 2002 RU_{75}	16.5	X	137.99671	193.71751	177.20393	5.77637	0.1690128	0.28442413	2.2899452	21	1 19.9	19.4
218148 2002 RT_{85}	17.0	X	125.99610	340.69013	13.30271	3.00142	0.1871289	0.27984627	2.3148509	21	—	—
218149 2002 RA_{98}	16.4	X	71.56981	28.85207	356.71411	3.81967	0.2570211	0.27390942	2.3481801	21	—	—
218150 2002 RC_{106}	16.2	X	43.53921	353.99244	23.34668	11.14854	0.2724186	0.26756817	2.3851356	21	—	—
218151 2002 RF_{111}	16.6	X	53.60632	78.65964	301.57547	4.52163	0.2307490	0.27096504	2.3651601	21	—	—
218152 2002 RU_{116}	17.1	X	134.95865	31.20708	303.17080	5.28961	0.2712760	0.27905640	2.3192170	21	—	—
218153 2002 RS_{123}	16.2	X	30.08837	7.13051	33.59777	8.64961	0.1727720	0.27028241	2.3691408	21	—	—
218154 2002 RK_{133}	16.3	X	106.89929	258.89249	110.84236	9.57282	0.2311855	0.27805397	2.3247878	21	—	—
218155 2002 RT_{141}	17.2	X	102.64523	56.44174	279.16970	2.40718	0.1587270	0.27517033	2.3410013	21	—	—
218156 2002 RB_{148}	17.3	X	168.44439	108.51656	183.02634	1.94131	0.2104263	0.28013965	2.3132345	21	—	—
218157 2002 RS_{150}	16.8	X	75.00698	133.05769	255.15108	5.49259	0.1315449	0.27636217	2.3342659	21	—	—
218158 2002 RL_{164}	16.8	X	314.23599	8.54991	175.80345	7.18921	0.0557102	0.28363144	2.2942098	21	—	—
218159 2002 RK_{171}	16.7	X	103.89461	24.87349	23.26099	6.05345	0.1414035	0.28395912	2.2924445	21	1 21.8	19.2
218160 2002 RX_{175}	17.3	X	145.88369	85.68745	230.58471	4.88606	0.1827311	0.27970048	2.3156553	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218161 2002 RX_{179}	17.8	X	101.73917	156.06098	177.56632	3.56236	0.1270831	0.27370705	2.3493374	21	—	—
218162 2002 RO_{213}	16.5	X	115.03162	322.84621	10.21391	11.55894	0.2046505	0.27829490	2.3234458	21	—	—
218163 2002 RH_{225}	17.1	X	102.38853	155.27223	208.07159	5.85071	0.1413438	0.27811616	2.3244412	21	—	—
218164 2002 RA_{229}	17.2	X	64.60027	253.40865	96.95770	7.05900	0.1650995	0.27172819	2.3607296	21	—	—
218165 2002 RG_{245}	17.2	X	71.05642	26.27476	343.07327	2.92553	0.2367403	0.27520840	2.3407854	21	—	—
218166 2002 RG_{264}	17.3	X	171.88178	19.42370	273.59464	2.47789	0.2097912	0.28076858	2.3097787	21	—	—
218167 2002 SN_{5}	17.5	X	149.52934	185.06184	122.24934	0.45048	0.2343576	0.27845792	2.3225389	21	—	—
218168 2002 SF_{7}	17.2	X	120.69090	325.32682	9.59092	4.05919	0.1486021	0.27629645	2.3346360	21	—	—
218169 2002 SM_{16}	16.1	X	132.78519	115.38563	314.85593	14.52448	0.2813174	0.18201895	3.0836019	21	4 16.2	21.5
218170 2002 SN_{23}	15.3	X	105.83063	335.07970	75.98870	2.76031	0.0949849	0.17819027	3.1276158	21	2 11.9	19.7
218171 2002 ST_{38}	16.7	X	86.88591	188.65450	146.55355	4.19922	0.1129263	0.27151711	2.3619530	21	—	—
218172 2002 SN_{43}	16.8	X	69.09356	36.19259	327.70020	1.40379	0.2270958	0.27194657	2.3594657	21	—	—
218173 2002 SL_{45}	16.5	X	50.12503	38.72815	14.13185	7.27838	0.0944721	0.27416556	2.3467173	21	—	—
218174 2002 SO_{67}	17.0	X	20.09897	260.09567	121.39409	7.59923	0.1244861	0.26952953	2.3735505	21	—	—
218175 2002 SU_{71}	16.7	X	118.56439	114.64457	231.17842	4.13645	0.1563539	0.27741407	2.3283614	21	—	—
218176 2002 TN_{2}	17.1	X	93.33256	118.10728	237.59749	1.47589	0.2237190	0.27468753	2.3437435	21	—	—
218177 2002 TV_{6}	16.1	X	49.55852	63.29623	19.36770	7.92062	0.0539960	0.27904671	2.3192707	21	—	—
218178 2002 TJ_{14}	17.4	X	50.66122	264.10897	138.87150	1.58448	0.1863613	0.27296291	2.3536052	21	—	—
218179 2002 TK_{24}	16.3	X	47.80841	344.84378	17.73733	7.25309	0.1219292	0.26821361	2.3813077	21	—	—
218180 2002 TM_{29}	16.9	X	93.15784	242.89189	125.28504	2.99801	0.2287051	0.27495402	2.3422289	21	—	—
218181 2002 TX_{29}	16.8	X	89.68783	127.05726	212.23359	1.43647	0.2207155	0.27195120	2.3594388	21	—	—
218182 2002 TG_{35}	16.8	X	114.96967	122.35207	184.58305	6.24141	0.1132361	0.27107329	2.3645304	21	—	—
218183 2002 TQ_{40}	16.4	X	119.62739	14.37157	35.35085	4.01405	0.2372644	0.28081243	2.3095383	21	3 3.5	19.3
218184 2002 TA_{41}	16.3	X	90.77188	292.24603	51.04463	5.17114	0.1898809	0.27153784	2.3618328	21	—	—
218185 2002 TF_{47}	16.7	X	41.42962	188.95075	201.52824	6.53329	0.2123948	0.26893151	2.3770679	21	—	—
218186 2002 TQ_{52}	16.4	X	52.44215	196.04973	198.84131	4.88650	0.2347926	0.26990008	2.3713776	21	—	—
218187 2002 TD_{63}	16.6	X	98.28667	17.25970	324.77508	3.34828	0.1477379	0.27357434	2.3500971	21	—	—
218188 2002 TG_{67}	15.9	X	38.53841	138.37729	322.83343	24.30451	0.1624670	0.28049486	2.3112811	21	—	—
218189 2002 TC_{68}	16.1	X	89.65622	359.68266	342.30702	24.62231	0.2325523	0.27233437	2.3572252	21	—	—
218190 2002 TR_{78}	16.9	X	61.36380	263.83404	101.90745	3.86588	0.2497895	0.27043913	2.3682253	21	—	—
218191 2002 TW_{84}	16.7	X	121.27214	240.72418	130.41082	7.05969	0.1497164	0.27934143	2.3176391	21	—	—
218192 2002 TA_{88}	15.8	X	47.23701	71.62713	347.10614	3.85007	0.1502109	0.17054816	3.2203620	21	—	—
218193 2002 TQ_{91}	16.8	X	61.95641	95.04815	256.12694	4.38236	0.2089551	0.26899090	2.3767180	21	—	—
218194 2002 TT_{91}	16.3	X	98.01854	92.92791	249.49656	5.82447	0.1523671	0.27271210	2.3550481	21	—	—
218195 2002 TD_{99}	16.9	X	145.08800	288.80012	320.56939	4.37978	0.1498113	0.26812790	2.3818151	21	12 5.9	20.6
218196 2002 TH_{102}	17.0	X	118.90702	70.16243	231.57824	5.39616	0.1974845	0.27274336	2.3548681	21	—	—
218197 2002 TH_{111}	16.5	X	11.11894	116.25122	310.47110	4.65912	0.2010294	0.26926173	2.3751240	21	—	—
218198 2002 TZ_{130}	17.3	X	56.39829	32.05540	303.85756	2.99079	0.1714300	0.26792012	2.3830464	21	12 29.7	20.6
218199 2002 TW_{134}	16.2	X	98.36698	34.88881	333.13576	7.09485	0.1686538	0.27661946	2.3328182	21	—	—
218200 2002 TO_{146}	16.8	X	39.35355	182.83359	221.20904	3.60879	0.1570096	0.27192630	2.3595829	21	—	—
218201 2002 TM_{183}	16.3	X	22.76413	129.18486	268.55914	2.02952	0.1945287	0.21668706	2.7452426	21	—	—
218202 2002 TU_{184}	16.6	X	92.07839	355.76761	347.55504	5.94706	0.1347058	0.27357726	2.3500804	21	—	—
218203 2002 TS_{186}	16.7	X	110.13935	17.71703	306.88561	4.76714	0.1255677	0.27357546	2.3500907	21	—	—
218204 2002 TN_{213}	15.4	X	190.25672	319.03570	23.73658	9.79981	0.0652244	0.18120933	3.0927799	21	2 22.9	20.2
218205 2002 TR_{215}	17.1	X	80.72124	278.65855	106.45097	6.46348	0.2569710	0.27595476	2.3365628	21	—	—
218206 2002 TP_{217}	17.2	X	87.15227	269.27191	43.83204	3.11166	0.1967263	0.26831681	2.3806970	21	—	—
218207 2002 TA_{219}	16.8	X	101.58879	5.21875	313.86040	6.06731	0.2209877	0.27265753	2.3553623	21	—	—
218208 2002 TD_{253}	17.0	X	74.33400	137.76945	214.86911	0.48518	0.2000825	0.27040564	2.3684209	21	—	—
218209 2002 TL_{257}	16.9	X	80.40936	276.22824	88.59399	3.05773	0.2437487	0.27274069	2.3548835	21	—	—
218210 2002 TR_{266}	15.2	X	265.51266	138.43496	254.69569	2.85370	0.2077152	0.24555399	2.5256397	21	6 25.6	18.6
218211 2002 TH_{278}	16.8	X	95.72087	87.33234	293.29798	4.60317	0.2256073	0.27672765	2.3322101	21	—	—
218212 2002 TK_{278}	16.1	X	87.88714	159.18716	229.36796	11.97781	0.1778703	0.27626679	2.3348031	21	—	—
218213 2002 TC_{286}	16.9	X	88.98798	32.54681	318.81652	2.99588	0.2856811	0.27269887	2.3551243	21	—	—
218214 2002 TY_{298}	16.3	X	43.67491	150.00831	250.37106	4.29508	0.2065619	0.26980431	2.3719387	21	—	—
218215 2002 TZ_{332}	16.8	X	162.90599	107.41008	165.64567	6.28603	0.0922976	0.27385493	2.3484916	21	—	—
218216 2002 UJ_{31}	17.1	X	134.20219	5.05022	295.37827	5.64317	0.2203584	0.27396409	2.3478677	21	—	—
218217 2002 UB_{39}	17.5	X	29.21342	209.19996	207.29831	0.54638	0.1790264	0.26933044	2.3747201	21	—	—
218218 2002 VG_{7}	16.9	X	89.70811	220.77391	118.98069	2.93592	0.1770195	0.27022100	2.3694997	21	—	—
218219 2002 VO_{11}	16.8	X	129.50763	338.18465	5.28381	2.62461	0.2579591	0.27676048	2.3320257	21	—	—
218220 2002 VS_{16}	16.9	X	47.34789	125.60094	256.62274	6.09796	0.1511479	0.26871979	2.3783163	21	—	—
218221 2002 VZ_{29}	16.7	X	13.94085	312.92504	61.65366	2.83237	0.1704707	0.26196204	2.4190442	21	12 23.9	19.2
218222 2002 VF_{32}	16.4	X	110.53838	290.26093	55.95516	7.02235	0.1839639	0.27248043	2.3563828	21	—	—
218223 2002 VB_{34}	16.7	X	350.73798	325.78640	57.41540	3.20551	0.1838198	0.25863232	2.4397623	21	11 25.6	18.7
218224 2002 VY_{64}	16.3	X	72.79354	355.59673	6.45277	6.59321	0.1311666	0.26975916	2.3722033	21	—	—
218225 2002 VT_{65}	16.1	X	109.32564	357.52597	329.93637	12.15810	0.1822934	0.27187321	2.3598901	21	—	—
218226 2002 VN_{67}	16.8	X	39.22271	297.77205	76.15262	3.29217	0.1910649	0.26665664	2.3905681	21	—	—
218227 2002 VD_{76}	16.5	X	118.35372	174.05446	134.61332	3.90851	0.2033496	0.27068531	2.3667893	21	—	—
218228 2002 VU_{77}	16.8	X	83.62304	296.76731	106.70017	4.96901	0.2402617	0.27562487	2.3384268	21	—	—
218229 2002 VM_{78}	16.3	X	74.86423	239.24132	74.52153	8.74885	0.2182563	0.26392628	2.4070270	21	12 24.6	19.9
218230 2002 VS_{79}	15.9	X	95.08238	227.47638	94.61301	5.27865	0.2170605	0.26781231	2.3836859	21	—	—
218231 2002 VM_{89}	15.6	X	255.24243	254.93550	215.63907	13.22251	0.1922676	0.25249366	2.4791477	21	9 25.6	19.0
218232 2002 VB_{93}	16.5	X	50.06688	262.79712	65.14397	6.34667	0.1936146	0.26242539	2.4161959	21	12 13.8	19.6
218233 2002 VR_{112}	16.9	X	13.86234	142.64739	237.82044	2.50321	0.1348268	0.26263676	2.4148994	21	12 26.3	19.5
218234 2002 VY_{113}	17.0	X	24.61259	244.66059	132.26301	1.80210	0.1951366	0.26399373	2.4066170	21	—	—
218235 2002 VP_{128}	16.7	X	33.56348	281.71480	87.73687	4.96034	0.2251520	0.26426652	2.4049605	21	—	—
218236 2002 WV_{4}	16.8	X	75.95052	20.78816	359.16759	6.52516	0.1266686	0.27244365	2.3565948	21	—	—
218237 2002 WG_{25}	17.0	X	127.48218	95.14780	208.45243	0.99933	0.1299228	0.27105800	2.3646193	21	—	—
218238 2002 WT_{26}	17.5	X	75.60466	115.87372	209.13550	0.69741	0.1904092	0.26684977	2.3894145	21	—	—
218239 2002 XA_{4}	17.4	X	42.03769	80.87959	298.34932	0.44215	0.1968840	0.26722836	2.3871572	21	—	—
218240 2002 XN_{25}	16.3	X	27.85760	80.82840	264.57786	5.58995	0.1450646	0.25935523	2.4352266	21	11 29.9	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218241 2002 XF_{45}	14.7	X	182.68897	108.62371	225.22816	2.05494	0.2471605	0.12540374	3.9530203	21	2 12.5	21.4
218242 2002 XD_{59}	15.9	X	343.47660	326.40566	94.32264	10.02243	0.2327058	0.25833839	2.4416125	21	—	—
218243 2002 XM_{72}	16.5	X	33.30046	320.51385	47.88232	2.12079	0.1985996	0.26256891	2.4153154	21	—	—
218244 2002 XJ_{75}	16.9	X	330.84354	89.94886	305.98826	2.81290	0.1995256	0.25624894	2.4548672	21	10 29.5	18.8
218245 2002 XN_{79}	16.4	X	356.43330	8.74787	39.53836	3.03670	0.2004979	0.26039466	2.4287417	21	—	—
218246 2002 XU_{81}	16.4	X	244.85007	130.19542	315.00508	4.98609	0.1257548	0.24637054	2.5200560	21	8 20.9	19.9
218247 2002 XU_{96}	17.0	X	61.39014	236.93387	139.21310	1.79520	0.1984421	0.26872105	2.3783089	21	—	—
218248 2002 XF_{110}	15.9	X	120.81749	46.67640	39.89841	5.46976	0.1779749	0.17875674	3.1210048	21	4 22.7	20.7
218249 2002 XL_{111}	16.0	X	300.83519	51.21269	282.84339	4.37212	0.1115143	0.24369430	2.5384725	21	6 6.2	18.9
218250 2002 XV_{119}	16.5	X	113.65431	64.56432	240.49358	8.48571	0.2220752	0.26948661	2.3738026	21	—	—
218251 2003 AE_{1}	15.9	X	70.67736	285.77738	106.51868	22.82841	0.3530074	0.27370532	2.3493473	21	—	—
218252 2003 AW_{5}	16.0	X	332.46025	133.98333	308.80542	10.81465	0.2109774	0.25821625	2.4423824	21	—	—
218253 2003 AD_{26}	16.1	X	167.75908	14.98157	130.09539	5.28640	0.1436966	0.24196669	2.5505411	21	8 17.0	20.0
218254 2003 AN_{26}	16.8	X	11.74247	106.18443	282.08406	3.77757	0.1993052	0.25954774	2.4340223	21	—	—
218255 2003 AP_{36}	15.8	X	301.37945	247.68197	314.51561	7.11312	0.2248826	0.21326466	2.7745345	21	—	—
218256 2003 AR_{38}	15.8	X	49.22906	93.31958	279.91912	20.45374	0.2952413	0.26320839	2.4114017	21	—	—
218257 2003 AZ_{38}	15.7	X	90.85449	20.61609	133.40005	14.08244	0.0989367	0.23122221	2.6289542	21	6 1.6	19.4
218258 2003 AE_{55}	16.0	X	281.42905	65.80720	17.78418	4.60915	0.1948455	0.25157872	2.4851548	21	9 29.4	18.7
218259 2003 AJ_{61}	16.3	X	5.77911	237.50025	121.41515	15.28446	0.2441194	0.25509544	2.4622619	21	12 2.3	19.0
218260 2003 AU_{81}	16.4	X	266.57510	205.04310	352.54884	19.48089	0.0587837	0.37004762	1.9214584	21	—	—
218261 2003 BB_{6}	15.6	X	300.67397	285.58227	310.55382	7.18249	0.0857046	0.21900488	2.7258390	21	2 2.5	19.4
218262 2003 BT_{11}	16.7	X	196.91751	173.68122	325.07199	2.20349	0.1128785	0.24329956	2.5412175	21	9 7.5	20.4
218263 2003 BO_{29}	15.9	X	251.07348	278.13997	129.00912	28.06380	0.0416570	0.24033060	2.5621035	21	7 20.4	19.4
218264 2003 BO_{35}	16.0	X	10.44568	139.59464	255.79412	7.92039	0.2082609	0.25773082	2.4454482	21	—	—
218265 2003 BB_{76}	15.9	X	276.17797	211.05841	87.49592	11.97758	0.0321550	0.22544520	2.6736756	21	4 5.9	19.8
218266 2003 CQ_{6}	17.0	X	107.71548	181.31755	7.90478	4.62015	0.1323773	0.28942778	2.2634761	21	8 15.1	20.0
218267 2003 CX_{17}	15.9	X	290.93690	275.70060	302.27444	13.75540	0.2042215	0.21211234	2.7845740	21	—	—
218268 2003 DF	16.4	X	172.37974	148.03617	357.21214	12.87219	0.1878153	0.23870645	2.5737120	21	8 24.6	20.7
218269 2003 DT	16.5	X	337.27483	313.70966	248.68269	2.80685	0.1403349	0.21845678	2.7303963	21	1 30.2	19.9
218270 2003 EK	16.9	X	258.80437	299.78649	343.81750	19.18512	0.0490582	0.38035386	1.8865899	21	1 24.4	19.3
218271 2003 ED_{4}	15.7	X	3.46497	255.89329	163.38240	22.57687	0.3794666	0.25900538	2.4374190	21	—	—
218272 2003 EH_{23}	15.8	X	326.63593	52.70116	156.89293	12.64449	0.1004456	0.21451478	2.7637446	21	1 30.9	19.5
218273 2003 EW_{61}	15.6	X	223.82782	119.17486	104.10063	6.15795	0.0478014	0.20094826	2.8867769	21	—	—
218274 2003 FL_{7}	16.2	X	177.67323	97.86688	271.16171	4.34619	0.0751133	0.21522909	2.7576263	21	3 2.7	20.4
218275 2003 FW_{23}	16.7	X	132.18459	138.40954	11.50809	3.90740	0.1293587	0.23203224	2.6228322	21	7 17.8	20.6
218276 2003 FC_{24}	16.3	X	218.38108	158.58279	171.52508	5.68394	0.0562227	0.21660719	2.7459174	21	2 28.1	20.2
218277 2003 FK_{27}	16.5	X	18.76743	241.07119	319.19244	1.01561	0.0482769	0.22082171	2.7108669	21	4 9.4	19.8
218278 2003 FV_{59}	15.5	X	225.40923	78.11456	169.57521	15.12831	0.1122569	0.20381439	2.8596496	21	—	—
218279 2003 FV_{60}	15.8	X	288.57071	77.53588	141.50597	7.01474	0.0769613	0.20960409	2.8067445	21	1 1.2	19.9
218280 2003 FR_{62}	15.8	X	229.67656	274.82606	20.64072	9.26687	0.1493352	0.20968071	2.8060607	21	1 31.1	20.5
218281 2003 FX_{62}	17.0	X	220.14022	335.98389	150.89621	4.77416	0.2246435	0.24271992	2.5452617	21	9 7.8	21.0
218282 2003 FE_{65}	16.1	X	319.62636	64.64253	159.08433	9.62411	0.1397800	0.21369543	2.7708045	21	2 2.9	19.9
218283 2003 FZ_{90}	15.8	X	50.13291	217.82272	305.30266	9.18224	0.1455030	0.22000622	2.7175617	21	4 10.9	19.0
218284 2003 GS_{37}	15.7	X	207.44364	332.27241	42.98650	6.79370	0.0467751	0.21984623	2.7188800	21	4 15.1	19.7
218285 2003 HF_{42}	14.9	X	42.79510	103.25476	200.74336	24.44829	0.2991939	0.17619365	3.1511993	21	11 6.9	19.2
218286 2003 JP_{8}	15.5	X	143.95662	51.01326	194.45441	11.39942	0.1318810	0.18609346	3.0384258	21	11 21.2	20.5
218287 2003 MK_{1}	15.3	X	125.81912	48.68413	209.10542	23.54308	0.2630535	0.18262695	3.0767543	21	11 23.2	20.9
218288 2003 MD_{5}	14.1	X	60.69153	35.47713	281.53245	25.21882	0.3022863	0.17508807	3.1644507	21	12 12.1	19.1
218289 2003 OV_{4}	14.8	X	14.36163	52.40926	315.22424	14.59251	0.1893199	0.17222987	3.1993646	21	11 22.3	18.9
218290 2003 OJ_{6}	14.8	X	53.12156	60.65065	277.45137	13.63935	0.1796466	0.17608876	3.1524507	21	12 12.4	19.2
218291 2003 OA_{12}	15.1	X	66.63950	67.99832	237.28948	14.93805	0.0773014	0.17360040	3.1825035	21	11 3.6	19.6
218292 2003 OQ_{28}	14.7	X	317.81340	60.89579	352.39461	5.45715	0.1152807	0.16909927	3.2387311	21	10 13.9	18.6
218293 2003 PP_{11}	14.7	X	36.64991	61.07192	276.38001	19.64907	0.1577706	0.17214566	3.2004079	21	11 14.6	19.2
218294 2003 QD_{12}	14.8	X	16.73120	213.11083	142.32132	11.17239	0.1109194	0.17091123	3.2157996	21	11 8.2	19.1
218295 2003 QG_{12}	14.5	X	358.49457	81.65417	344.67026	24.37836	0.3045503	0.17377701	3.1803469	21	—	—
218296 2003 QN_{54}	14.1	X	0.08240	293.09951	124.46845	9.61565	0.3466404	0.17294166	3.1905799	21	—	—
218297 2003 QP_{60}	14.7	X	349.37117	37.04973	6.12071	26.24601	0.1499744	0.16960380	3.2323049	21	11 12.2	19.0
218298 2003 QQ_{65}	14.6	X	51.12064	313.67871	357.77634	15.85945	0.0146202	0.16891341	3.2411065	21	10 10.7	19.3
218299 2003 RK_{12}	14.8	X	36.13646	346.40093	9.24291	16.33538	0.0937893	0.17312694	3.1883032	21	11 24.9	19.4
218300 2003 SD_{123}	14.7	X	43.01642	18.89350	21.15035	17.79933	0.1903149	0.17693455	3.1423962	21	—	—
218301 2003 SG_{198}	14.3	X	234.02535	103.07581	303.93389	8.79419	0.0897651	0.15031915	3.5031590	21	6 23.7	19.6
218302 2003 SW_{238}	17.7	X	351.62971	54.54167	211.34932	3.02105	0.1484788	0.31935573	2.1197578	21	5 12.9	19.1
218303 2003 SC_{258}	16.7	X	19.13970	283.04682	182.16605	2.60403	0.1472589	0.23803508	2.5785491	21	—	—
218304 2003 SV_{293}	14.6	X	35.57854	31.09036	356.56057	24.61895	0.1626627	0.17617486	3.1514235	21	—	—
218305 2003 SU_{306}	15.4	X	51.61196	204.89291	234.21976	10.91872	0.0894451	0.18264180	3.0765874	21	—	—
218306 2003 SW_{407}	15.6	X	43.09495	329.36528	63.04141	22.90697	0.0193301	0.22879692	2.6474997	21	—	—
218307 2003 UZ_{9}	17.5	X	354.54484	167.09315	109.33858	4.57789	0.1473774	0.31892166	2.1216808	21	6 9.0	18.7
218308 2003 UR_{35}	14.9	X	110.73203	256.68146	143.90141	15.42265	0.1717439	0.18515353	3.0487002	21	2 13.6	19.3
218309 2003 UJ_{53}	17.1	X	141.55590	79.34175	317.70083	6.28632	0.1348985	0.30065735	2.2067586	21	2 20.8	19.8
218310 2003 UG_{262}	17.1	X	200.45805	282.28616	81.33208	3.31814	0.1251427	0.30409988	2.1900728	21	3 15.1	20.2
218311 2003 UN_{274}	17.1	X	16.64787	311.79314	30.85374	5.94386	0.2174423	0.27566660	2.3381908	21	11 23.5	19.4
218312 2003 WH_{16}	17.4	X	246.09704	76.69739	221.26434	3.56922	0.1697518	0.30297165	2.1955065	21	1 30.7	20.8
218313 2003 WL_{131}	16.4	X	73.38414	122.52069	304.70873	3.42491	0.1900428	0.23563546	2.5960255	21	1 15.5	19.0
218314 2003 XE_{14}	16.3	X	270.25959	202.51304	321.94956	24.27052	0.2270954	0.27655059	2.3332055	21	—	—
218315 2003 YM_{13}	16.8	X	165.05759	311.13342	83.60249	7.92593	0.1275052	0.29765282	2.2215839	21	3 22.2	20.0
218316 2003 YT_{18}	17.5	X	358.33040	117.31473	84.20249	3.40471	0.0719632	0.29899299	2.2149404	21	2 25.3	19.6
218317 2003 YO_{21}	16.9	X	35.29943	286.21072	92.69856	6.27346	0.0851863	0.27419894	2.3465269	21	—	—
218318 2003 YJ_{26}	17.0	X	159.98498	67.91638	319.89164	4.09959	0.1646695	0.29810214	2.2193510	21	3 5.3	20.2
218319 2003 YK_{31}	17.8	X	222.05430	333.93101	47.55727	0.15121	0.1630863	0.30835772	2.1698656	21	4 27.1	20.8
218320 2003 YL_{37}	16.7	X	167.81109	287.44507	91.84868	7.15681	0.1060943	0.29535617	2.2330855	21	3 1.8	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218321 2003 YD_{55}	17.1	X	139.26057	237.87862	192.05701	2.71082	0.1223225	0.30201729	2.2001292	21	4 3.4	19.9
218322 2003 YC_{65}	16.9	X	142.21340	115.22480	294.62784	5.28632	0.1584649	0.29622613	2.2287112	21	3 12.8	20.0
218323 2003 YM_{117}	17.0	X	259.11712	277.12187	95.45441	5.85870	0.2703860	0.31076414	2.1586494	21	5 14.4	20.4
218324 2003 YT_{130}	16.6	X	122.62671	102.93683	323.23867	5.57602	0.1265239	0.29671643	2.2262554	21	3 7.3	19.1
218325 2003 YN_{143}	16.7	X	172.43699	311.31829	48.82930	11.46652	0.1179275	0.29502136	2.2347747	21	2 12.9	20.0
218326 2003 YL_{144}	16.7	X	163.20438	25.34608	351.94088	6.55249	0.1869577	0.29644456	2.2276163	21	2 27.2	19.8
218327 2004 BF_{3}	16.8	X	83.89343	110.08974	310.23010	6.87397	0.1271395	0.28734038	2.2744250	21	—	—
218328 2004 BS_{7}	16.4	X	77.44352	339.11037	128.19022	13.52404	0.1442395	0.23618435	2.5920018	21	3 17.3	19.6
218329 2004 BJ_{10}	16.1	X	250.33791	219.69254	348.20839	6.32080	0.0774909	0.27491331	2.3424601	21	—	—
218330 2004 BL_{36}	16.6	X	162.86284	321.60864	320.17849	5.21487	0.1228610	0.27484831	2.3428294	21	—	—
218331 2004 BJ_{42}	16.3	X	329.16128	203.83517	284.10256	6.50288	0.0632071	0.27675865	2.3320360	21	—	—
218332 2004 BK_{49}	16.7	X	178.90902	232.55275	132.33428	5.72040	0.1572876	0.29483375	2.2357226	21	2 24.8	20.0
218333 2004 BX_{70}	16.7	X	80.14117	316.65237	118.24726	6.93723	0.1264417	0.28792443	2.2713481	21	1 14.3	18.8
218334 2004 BM_{73}	15.8	X	238.95132	230.89069	309.59113	8.34059	0.0947524	0.21375736	2.7702693	21	12 15.6	19.7
218335 2004 BW_{77}	16.6	X	113.57786	188.27168	83.93523	3.29735	0.1562250	0.26473581	2.4021176	21	12 5.3	20.2
218336 2004 BS_{84}	15.8	X	54.43019	346.36156	200.12769	13.03818	0.1594346	0.24137645	2.5546973	21	5 29.3	18.7
218337 2004 BX_{87}	16.5	X	134.63156	161.86332	242.22694	5.41795	0.1627842	0.29409840	2.2394478	21	2 24.9	19.6
218338 2004 BO_{99}	17.0	X	73.99277	345.33634	108.36878	4.71035	0.1431976	0.28653447	2.2786877	21	2 3.6	19.0
218339 2004 BF_{121}	17.2	X	104.78951	238.10503	157.75463	6.81335	0.0931156	0.28600961	2.2814746	21	—	—
218340 2004 BU_{129}	16.7	X	160.47218	40.71327	291.29048	7.78070	0.3103914	0.28756563	2.2732371	21	1 10.7	20.2
218341 2004 CQ_{3}	16.8	X	290.23454	219.69355	289.36386	5.61372	0.0746788	0.27462209	2.3441158	21	—	—
218342 2004 CA_{12}	17.1	X	88.54807	295.18324	149.29648	22.24039	0.2236624	0.29094110	2.2556203	21	3 1.9	19.0
218343 2004 DR_{8}	16.7	X	298.88197	316.40361	151.15386	8.40744	0.0347416	0.26715840	2.3875739	21	12 23.2	19.6
218344 2004 DE_{14}	15.9	X	302.29201	152.71481	97.17330	19.27139	0.2110307	0.22595958	2.6696165	21	2 6.3	20.0
218345 2004 EO_{10}	17.0	X	294.75854	311.65027	191.78492	1.42136	0.1104663	0.26994542	2.3711120	21	—	—
218346 2004 FN_{4}	16.7	X	111.34438	285.89604	340.74608	6.21637	0.1443508	0.25883620	2.4384810	21	11 23.2	20.5
218347 2004 FD_{8}	16.1	X	298.63605	2.30317	271.12080	13.35266	0.2264207	0.22696110	2.6617571	21	2 19.9	20.3
218348 2004 FY_{17}	16.2	X	300.84152	153.53197	113.06587	9.79203	0.2203218	0.22722001	2.6597348	21	2 23.8	20.1
218349 2004 FW_{50}	16.0	X	330.01152	232.02632	155.03886	7.76044	0.0985837	0.25486093	2.4637722	21	10 18.9	18.6
218350 2004 FK_{94}	16.3	X	48.42568	144.78958	183.47841	6.27263	0.1296087	0.25720208	2.4487986	21	12 3.4	19.5
218351 2004 FC_{107}	16.7	X	339.47831	290.26208	335.58835	3.61188	0.2316533	0.23274616	2.6174659	21	4 13.9	19.4
218352 2004 FB_{110}	16.2	X	341.06964	25.89065	215.94084	13.35137	0.1940535	0.22998909	2.6383428	21	3 17.2	19.2
218353 2004 FZ_{110}	16.5	X	330.01384	246.64586	16.61875	3.88812	0.2244323	0.23085649	2.6317300	21	3 27.4	19.2
218354 2004 FQ_{123}	15.7	X	5.66894	299.40508	267.59468	12.31184	0.2225148	0.23037853	2.6353687	21	3 7.9	18.4
218355 2004 FD_{134}	16.7	X	15.00250	250.38584	215.54812	9.42317	0.1583567	0.27791649	2.3255544	21	—	—
218356 2004 FP_{142}	15.8	X	256.25494	254.91999	26.30599	12.85116	0.1807613	0.22097484	2.7096144	21	2 5.6	20.4
218357 2004 GH	16.5	X	307.70198	94.40440	162.66535	7.53770	0.2354504	0.22609472	2.6685526	21	2 14.5	20.4
218358 2004 GB_{10}	16.4	X	330.72138	67.72238	210.66525	3.94502	0.2582896	0.23141252	2.6275126	21	4 12.5	19.2
218359 2004 GC_{15}	16.2	X	327.85310	259.76311	343.80582	13.57762	0.2376488	0.22730837	2.6590455	21	2 24.7	19.5
218360 2004 GS_{33}	16.4	X	342.12319	63.50764	209.86416	6.60082	0.1674929	0.23259063	2.6186326	21	5 12.7	19.0
218361 2004 GZ_{37}	14.8	X	11.11287	92.66809	224.36327	18.89407	0.3770717	0.18159926	3.0883511	21	10 9.6	17.7
218362 2004 GX_{77}	15.5	X	91.19840	33.81506	150.25499	18.03485	0.1167313	0.23704509	2.5857235	21	7 12.3	19.3
218363 2004 GW_{87}	15.7	X	313.59243	119.03168	134.08477	13.07485	0.1430411	0.22642325	2.6659706	21	3 5.5	19.3
218364 2004 HR_{38}	15.9	X	347.92647	174.52720	103.95815	16.33354	0.1033413	0.23659086	2.5890320	21	6 8.4	18.9
218365 2004 HB_{50}	15.5	X	307.02821	292.17027	38.50118	12.53014	0.3186694	0.23251495	2.6192008	21	5 6.9	18.7
218366 2004 HU_{62}	16.0	X	89.47696	148.40896	233.67753	4.79264	0.2861746	0.26625250	2.3929865	21	—	—
218367 2004 JE_{1}	16.2	X	300.80946	45.11036	233.93772	3.73831	0.2422637	0.22415849	2.6838975	21	3 4.5	20.2
218368 2004 JS_{1}	16.0	X	317.03006	319.06669	326.51666	11.00525	0.1819422	0.22966879	2.6407952	21	4 7.7	19.4
218369 2004 JS_{6}	15.6	X	246.30010	92.01864	226.23896	10.49101	0.1537391	0.22089511	2.7102664	21	3 5.3	20.1
218370 2004 JG_{11}	16.2	X	286.17017	130.13281	167.36521	14.66933	0.0856113	0.22674486	2.6634492	21	4 5.2	19.9
218371 2004 JN_{22}	16.6	X	308.64907	349.61433	327.36739	2.14507	0.1813330	0.23272562	2.6176199	21	5 13.4	19.8
218372 2004 JZ_{25}	15.5	X	242.79252	109.27255	241.09793	10.27621	0.2027157	0.22607617	2.6686986	21	4 7.5	19.9
218373 2004 JC_{29}	16.0	X	263.03417	248.34951	85.26115	5.56256	0.2833830	0.22556160	2.6727557	21	4 4.1	20.5
218374 2004 JT_{31}	16.0	X	248.90295	303.79529	7.26216	12.99058	0.3367998	0.22262654	2.6961958	21	2 24.9	21.0
218375 2004 JC_{34}	16.0	X	246.57582	64.37739	213.64945	11.13145	0.1944519	0.21591163	2.7518116	21	1 16.8	20.8
218376 2004 JA_{45}	16.0	X	331.34590	57.45133	194.12588	13.00748	0.0621476	0.22637962	2.6663132	21	4 7.3	19.1
218377 2004 KB_{15}	15.7	X	295.47236	198.22028	85.59212	15.32895	0.2331682	0.22584534	2.6705167	21	3 15.4	19.9
218378 2004 LS_{18}	16.6	X	219.24585	89.51516	207.01822	3.37460	0.1076002	0.21569623	2.7536433	21	1 18.5	20.8
218379 2004 LJ_{26}	15.6	X	290.86686	131.38790	191.95476	12.02577	0.1819038	0.22846552	2.6500594	21	4 30.1	19.2
218380 2004 NF_{11}	16.2	X	203.39660	44.62489	307.93380	11.32993	0.2863277	0.21207382	2.7849112	21	3 8.3	21.4
218381 2004 NT_{13}	15.8	X	121.48811	128.62403	236.01583	4.09397	0.1301326	0.20246276	2.8723627	21	1 4.3	19.9
218382 2004 NO_{16}	15.5	X	49.70685	185.46499	140.93098	11.91774	0.1372115	0.18394433	3.0620464	21	11 22.8	19.9
218383 2004 ND_{24}	14.7	X	15.08305	46.96970	301.97858	15.38954	0.0756171	0.17965692	3.1105707	21	10 14.3	19.1
218384 2004 OL_{8}	15.1	X	63.00994	256.53744	118.23557	14.98895	0.2002479	0.19240529	2.9716070	21	—	—
218385 2004 OQ_{8}	14.9	X	9.43456	216.24553	133.69856	14.04960	0.2098561	0.17815124	3.1280726	21	11 3.8	18.7
218386 2004 PC	15.9	X	198.32532	109.91297	167.09361	15.38258	0.2480780	0.20328279	2.8646329	21	—	—
218387 2004 PH_{13}	16.1	X	128.04099	40.87566	304.63401	1.40199	0.1351006	0.19797444	2.9156136	21	—	—
218388 2004 PD_{16}	15.4	X	8.05827	75.78176	315.84741	9.37700	0.1170517	0.18275698	3.0752946	21	12 9.2	19.4
218389 2004 PH_{21}	15.1	X	85.73486	131.70926	146.67557	11.27348	0.2268485	0.18271288	3.0757895	21	11 15.5	20.1
218390 2004 PH_{40}	15.2	X	11.68662	211.46379	154.19547	11.43446	0.2042394	0.17873236	3.1212886	21	11 24.9	19.0
218391 2004 PE_{46}	15.1	X	145.17483	49.32790	321.97323	18.09611	0.2588931	0.20468084	2.8515736	21	2 18.2	19.8
218392 2004 PB_{53}	15.1	X	28.69086	215.99680	128.73385	10.72950	0.1071888	0.18069081	3.0986938	21	11 13.2	19.3
218393 2004 PQ_{60}	15.5	X	92.82994	38.12068	317.57233	9.29370	0.1135029	0.19241703	2.9714861	21	—	—
218394 2004 PE_{64}	15.2	X	48.02683	346.57934	346.96980	17.99632	0.1452171	0.18036252	3.1024528	21	11 20.8	19.9
218395 2004 PB_{81}	15.9	X	162.99322	308.36899	0.07418	2.34257	0.1443442	0.19883906	2.9071554	21	—	—
218396 2004 PH_{95}	15.1	X	87.00819	338.55366	295.62192	6.96189	0.0824240	0.18099737	3.0951939	21	10 20.1	19.8
218397 2004 PT_{99}	15.2	X	68.12425	202.85008	138.30571	10.46293	0.0963778	0.18415030	3.0597629	21	12 23.8	19.7
218398 2004 QY	14.8	X	51.77963	68.84202	288.14350	8.70015	0.1124591	0.18278924	3.0749328	21	12 25.5	19.1
218399 2004 QF_{5}	14.9	X	96.65428	106.69901	124.73265	18.13328	0.2236259	0.17994975	3.1071953	21	10 4.2	20.1
218400 Marquardt	15.7	X	64.09431	355.43189	347.02739	11.77244	0.1363115	0.18306143	3.0718840	21	12 26.1	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218401 2004 QH_{7}	15.9	X	60.84761	22.50124	344.95434	10.35358	0.1216478	0.18563451	3.0434318	21	—	—
218402 2004 QU_{13}	17.3	X	216.46862	146.42750	278.90338	14.51647	0.1935327	0.39815120	1.8299422	21	6 17.4	19.6
218403 2004 QA_{18}	14.8	X	28.27673	117.82117	264.38757	14.90511	0.2148700	0.17923082	3.1154988	21	—	—
218404 2004 RC_{6}	15.0	X	4.01023	239.45112	127.80316	16.47145	0.0425295	0.17991225	3.1076271	21	11 3.3	19.5
218405 2004 RE_{11}	16.0	X	130.65674	245.85891	155.20463	2.37924	0.0550960	0.20637009	2.8359912	21	2 18.2	19.9
218406 2004 RO_{18}	16.2	X	107.36393	167.64277	168.94824	7.96476	0.1463978	0.19199849	2.9758030	21	—	—
218407 2004 RN_{46}	16.2	X	130.85201	4.77225	15.08636	1.97001	0.1167145	0.20112223	2.8851119	21	2 2.2	20.4
218408 2004 RO_{48}	15.6	X	10.56284	234.18041	158.51832	15.93862	0.0781506	0.18370457	3.0647102	21	12 12.7	19.9
218409 2004 RS_{59}	15.2	X	42.05123	68.82605	336.96694	7.96823	0.0877859	0.19046908	2.9917116	21	—	—
218410 2004 RJ_{67}	15.2	X	72.66348	260.85278	359.59680	9.34252	0.2562593	0.17676774	3.1443729	21	10 10.4	20.0
218411 2004 RZ_{72}	15.1	X	135.91068	302.06390	359.21629	9.96459	0.0869621	0.18966553	3.0001556	21	—	—
218412 2004 RO_{81}	16.0	X	66.19066	64.56392	336.86476	3.94870	0.0880120	0.19322793	2.9631669	21	—	—
218413 2004 RU_{87}	14.9	X	26.56362	105.35524	201.38216	7.88077	0.1475046	0.17373133	3.1809044	21	9 21.5	18.9
218414 2004 RD_{94}	15.5	X	115.61771	330.47584	312.17787	8.97993	0.0808028	0.18631270	3.0360417	21	12 2.9	20.2
218415 2004 RC_{97}	15.2	X	337.58887	149.03722	278.15225	7.82188	0.0773223	0.18295718	3.0730508	21	12 5.9	19.1
218416 2004 RE_{97}	15.1	X	352.81033	125.93312	264.14953	7.92809	0.1166621	0.17904219	3.1176866	21	11 11.9	19.0
218417 2004 RR_{106}	14.9	X	72.53749	342.20247	346.15134	8.11711	0.1734973	0.18195963	3.0842721	21	12 22.0	19.6
218418 2004 RZ_{113}	15.1	X	174.27599	69.54817	262.93139	14.02701	0.2948892	0.20196562	2.8770744	21	1 26.9	20.4
218419 2004 RD_{121}	16.8	X	148.24069	238.44578	130.74101	3.16832	0.0133205	0.20386661	2.8591612	21	1 26.2	20.5
218420 2004 RO_{137}	15.3	X	41.92779	140.42626	266.16564	12.15380	0.2439291	0.19081582	2.9880862	21	—	—
218421 2004 RF_{143}	15.3	X	59.27353	52.24065	303.70059	16.05830	0.1647213	0.18453733	3.0554832	21	—	—
218422 2004 RW_{148}	15.8	X	211.37273	357.62262	296.95036	1.05673	0.0381023	0.20156789	2.8808578	21	1 11.3	19.9
218423 2004 RZ_{153}	15.1	X	355.05310	148.39363	236.54349	8.80575	0.0314614	0.17988293	3.1079648	21	11 5.3	19.3
218424 2004 RM_{157}	15.2	X	334.73383	130.65912	296.68343	9.52547	0.0631775	0.18280378	3.0747698	21	12 1.2	19.4
218425 2004 RV_{159}	15.1	X	75.48010	170.04433	233.48358	10.86304	0.1435417	0.19314656	2.9639991	21	—	—
218426 2004 RN_{164}	15.6	X	329.99406	246.42615	161.22801	14.15017	0.2838911	0.17246090	3.1965067	21	10 23.9	18.6
218427 2004 RU_{170}	15.6	X	60.01886	354.92364	358.52154	7.63535	0.1936135	0.18351116	3.0668631	21	—	—
218428 2004 RB_{175}	15.4	X	206.46239	49.46367	222.87714	9.69837	0.0674282	0.19907540	2.9048540	21	—	—
218429 2004 RG_{175}	15.3	X	8.86981	241.70178	207.49557	10.91932	0.0681227	0.19332761	2.9621482	21	—	—
218430 2004 RJ_{178}	15.5	X	54.49712	96.01390	242.02185	9.30870	0.0432254	0.18224864	3.0810105	21	11 26.1	19.7
218431 2004 RY_{178}	15.0	X	46.18058	89.84881	253.18021	8.62768	0.0894359	0.18157862	3.0885852	21	11 28.0	19.2
218432 2004 RK_{179}	15.4	X	23.40207	126.04633	318.07160	9.75434	0.1131041	0.19274751	2.9680886	21	—	—
218433 2004 RM_{181}	15.1	X	88.57491	333.99176	328.94181	8.31896	0.0695968	0.18266259	3.0763540	21	11 25.5	19.7
218434 2004 RP_{182}	14.9	X	290.49810	261.51419	196.97569	11.45956	0.0839254	0.17959134	3.1113280	21	11 7.6	19.0
218435 2004 RM_{183}	14.9	X	54.87617	303.98702	352.84594	19.55830	0.2046212	0.17771345	3.1332077	21	10 21.3	19.5
218436 2004 RG_{184}	15.2	X	19.04813	229.50398	199.81334	14.82065	0.0531504	0.19134383	2.9825866	21	—	—
218437 2004 RD_{191}	15.2	X	81.91452	107.19806	208.18608	10.03150	0.0857999	0.18261057	3.0769382	21	12 7.1	19.8
218438 2004 RE_{191}	15.0	X	61.58691	30.64665	324.99249	10.11253	0.1731337	0.18381425	3.0634910	21	—	—
218439 2004 RM_{191}	14.7	X	25.76969	330.73673	334.14762	9.25701	0.0567508	0.17068566	3.2186323	21	9 7.6	19.0
218440 2004 RK_{192}	15.0	X	63.49584	38.78240	277.37882	9.25554	0.1749577	0.17935362	3.1140766	21	11 27.2	19.6
218441 2004 RW_{196}	15.5	X	57.06182	126.59393	242.77748	9.22579	0.1584331	0.18508660	3.0494351	21	—	—
218442 2004 RN_{197}	15.0	X	100.58130	21.17190	278.03306	9.09760	0.0751470	0.18118977	3.0930025	21	12 6.1	19.6
218443 2004 RD_{200}	16.9	X	233.07012	108.15163	290.69074	2.87409	0.2337078	0.27489664	2.3425548	21	5 27.7	20.6
218444 2004 RT_{200}	14.9	X	51.82217	39.34738	335.46411	11.73061	0.1798478	0.18306295	3.0718670	21	—	—
218445 2004 RS_{212}	14.8	X	286.27708	163.99907	298.57680	16.72064	0.1829669	0.17770485	3.1333088	21	10 13.6	19.2
218446 2004 RH_{215}	14.9	X	38.23929	50.49652	309.15750	14.48484	0.2378911	0.18140219	3.0905874	21	12 30.9	19.2
218447 2004 RZ_{216}	14.9	X	65.59423	347.65985	323.97646	13.06999	0.1084225	0.17875758	3.1209949	21	11 11.4	19.7
218448 2004 RN_{217}	15.1	X	67.82317	49.11772	306.39043	11.47408	0.1844324	0.18491805	3.0512879	21	—	—
218449 2004 RZ_{218}	15.0	X	113.55877	307.81489	352.89009	21.57186	0.2638808	0.18603088	3.0391072	21	—	—
218450 2004 RW_{220}	14.7	X	73.56854	23.58134	293.31509	16.24221	0.1936399	0.17893538	3.1189272	21	12 11.8	19.6
218451 2004 RZ_{220}	16.7	X	92.09423	155.05083	244.26756	19.46983	0.0511216	0.36862398	1.9264023	21	—	—
218452 2004 RH_{221}	14.7	X	341.23759	81.69450	339.82940	21.52339	0.2041511	0.17461866	3.1701193	21	12 2.2	18.6
218453 2004 RT_{227}	15.3	X	124.51325	63.98586	212.95496	12.06841	0.2061383	0.18353379	3.0666110	21	12 11.4	20.6
218454 2004 RZ_{228}	15.6	X	352.31523	168.65887	258.08285	2.21723	0.0485194	0.18224534	3.0810477	21	12 24.8	19.6
218455 2004 RX_{230}	15.5	X	347.90895	219.39471	195.83412	8.81254	0.0899957	0.17940391	3.1134946	21	12 6.8	19.5
218456 2004 RH_{246}	15.1	X	110.91633	44.02490	205.74996	9.11042	0.0421510	0.17454324	3.1710325	21	10 15.5	19.6
218457 2004 RQ_{250}	14.9	X	29.07793	145.51292	252.35875	16.93250	0.2734437	0.17942224	3.1132825	21	—	—
218458 2004 RK_{251}	15.6	X	95.77772	93.70221	202.23630	7.00681	0.2379731	0.18372946	3.0644333	21	12 12.2	20.7
218459 2004 RZ_{272}	16.3	X	33.15507	345.59136	139.14980	2.83049	0.0161101	0.20284171	2.8687842	21	1 25.2	20.3
218460 2004 RV_{289}	15.6	X	86.07294	168.61065	190.83652	10.16059	0.1069205	0.18823025	3.0153874	21	—	—
218461 2004 RC_{310}	16.7	X	21.22608	299.32154	211.81004	21.98418	0.0378484	0.37519302	1.9038507	21	—	—
218462 2004 RO_{310}	14.8	X	44.90455	349.05977	4.93212	10.55913	0.0693196	0.18093197	3.0959398	21	12 4.9	19.2
218463 2004 RS_{310}	15.9	X	62.63705	25.67943	7.61534	3.87731	0.1813340	0.18865309	3.0108799	21	—	—
218464 2004 RF_{319}	15.6	X	146.11491	27.60411	255.66689	9.80482	0.1155782	0.19228784	2.9728170	21	—	—
218465 2004 RO_{323}	15.2	X	44.29252	146.27786	210.60163	16.51462	0.0626687	0.18093561	3.0958982	21	12 8.7	19.7
218466 2004 RX_{325}	15.0	X	51.63493	12.60665	347.10062	10.92213	0.1543296	0.18029590	3.1032170	21	—	—
218467 2004 RL_{328}	15.6	X	356.02652	128.82883	283.61031	4.68592	0.1443523	0.18033247	3.1027975	21	12 19.3	19.3
218468 2004 RR_{329}	15.3	X	339.39539	143.06376	282.84955	2.39226	0.1094939	0.17941896	3.1133205	21	12 7.1	19.0
218469 2004 RP_{333}	15.9	X	41.80780	248.20975	136.19929	11.66193	0.1471083	0.18589232	3.0406172	21	—	—
218470 2004 RK_{342}	16.0	X	128.41352	89.71949	195.34537	8.62760	0.2242679	0.18916279	3.0054689	21	12 24.3	21.3
218471 2004 SG_{17}	15.2	X	43.58114	277.33898	124.47265	11.76524	0.1403214	0.18823307	3.0153572	21	—	—
218472 2004 SC_{30}	15.3	X	22.56843	51.30980	351.24016	5.83933	0.1078080	0.18450301	3.0558620	21	—	—
218473 2004 SJ_{34}	16.2	X	89.59176	42.20139	213.85505	8.15992	0.0326123	0.23474552	2.6025825	21	10 2.1	19.8
218474 2004 SZ_{42}	15.1	X	352.01889	224.35532	228.96050	10.41357	0.1344777	0.18965635	3.0002524	21	—	—
218475 2004 SK_{44}	15.5	X	55.03241	92.02351	262.04293	4.29274	0.1365072	0.18373008	3.0644265	21	12 28.9	19.9
218476 2004 SS_{45}	15.1	X	13.38906	166.84661	225.32902	15.03952	0.1859862	0.17949597	3.1124299	21	12 24.8	19.1
218477 2004 SP_{47}	15.2	X	54.73438	65.49679	289.59429	9.75585	0.0946288	0.18102400	3.0948904	21	12 24.0	19.5
218478 2004 ST_{49}	16.7	X	172.74206	100.33231	284.26867	19.39002	0.0955863	0.37997039	1.8878590	21	2 14.8	19.2
218479 2004 SE_{53}	15.2	X	103.68534	69.06079	277.17067	9.37059	0.1133981	0.19108457	2.9852839	21	—	—
218480 2004 SC_{58}	15.3	X	307.64723	243.27872	191.18188	11.95860	0.2380467	0.17246366	3.1964726	21	10 13.1	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218481 2004 SJ_{58}	15.8	X	353.88476	39.71446	12.37131	0.79491	0.1947299	0.17897885	3.1184222	21	12 19.4	19.2
218482 2004 TY_{7}	15.6	X	71.44391	128.68899	185.12589	17.75316	0.1782414	0.18083733	3.0970199	21	12 5.4	20.5
218483 2004 TY_{11}	16.0	X	109.11198	239.33463	82.58312	2.46067	0.2259957	0.18860955	3.0113432	21	—	—
218484 2004 TG_{12}	15.5	X	347.19475	263.60009	174.73802	11.67525	0.1024287	0.18264811	3.0765165	21	—	—
218485 2004 TN_{13}	17.1	X	314.27352	7.75934	207.00470	20.37401	0.0398773	0.37672028	1.8987016	21	—	—
218486 2004 TH_{17}	14.8	X	48.55407	111.35953	242.67460	11.83307	0.0086000	0.17810109	3.1286598	21	12 2.7	19.0
218487 2004 TX_{25}	15.8	X	287.32343	303.36475	226.43521	2.88046	0.1470534	0.18955890	3.0012806	21	—	—
218488 2004 TK_{39}	14.8	X	45.85722	30.26238	332.28569	14.81954	0.0763803	0.18062192	3.0994817	21	12 19.9	19.4
218489 2004 TK_{45}	15.1	X	26.41790	323.98155	20.56261	9.43304	0.0938947	0.17470471	3.1690783	21	11 1.6	19.4
218490 2004 TW_{48}	15.1	X	216.07349	335.82123	199.45898	9.80450	0.0222445	0.17698314	3.1418211	21	11 16.4	19.6
218491 2004 TP_{50}	15.3	X	19.59749	28.49775	349.19164	4.42970	0.0382849	0.17666123	3.1456366	21	11 27.8	19.7
218492 2004 TG_{54}	16.0	X	27.09787	193.27858	164.83865	1.24563	0.1851675	0.17627974	3.1501733	21	12 3.9	19.8
218493 2004 TZ_{55}	15.4	X	3.78552	264.83160	185.36998	3.33799	0.1990835	0.18403379	3.0610541	21	—	—
218494 2004 TJ_{56}	16.4	X	55.16447	135.52645	222.67874	4.15510	0.1457405	0.18351068	3.0668685	21	—	—
218495 2004 TZ_{59}	15.6	X	113.68656	219.01410	127.55062	2.44499	0.0853103	0.19110843	2.9850354	21	—	—
218496 2004 TT_{61}	15.3	X	65.63137	119.83238	179.05538	11.21249	0.1151926	0.17791098	3.1308881	21	11 3.7	19.8
218497 2004 TD_{66}	15.5	X	63.56718	201.57721	158.66390	8.22796	0.1916873	0.18433786	3.0576869	21	—	—
218498 2004 TB_{75}	15.9	X	64.49962	161.45571	189.01168	0.98038	0.1906852	0.18180661	3.0860024	21	—	—
218499 2004 TO_{75}	15.8	X	43.05106	222.79553	199.06582	6.45762	0.2357484	0.18715755	3.0268982	21	—	—
218500 2004 TT_{77}	15.0	X	35.51624	238.66352	103.91580	24.66518	0.1833441	0.17680436	3.1439387	21	12 2.2	19.4
218501 2004 TX_{83}	15.6	X	99.77614	10.75292	271.20966	1.24082	0.0206910	0.17844226	3.1246706	21	11 8.5	20.1
218502 2004 TQ_{84}	16.0	X	12.72649	99.60767	327.78739	1.15803	0.0527652	0.18673084	3.0315078	21	—	—
218503 2004 TG_{85}	15.9	X	90.94523	82.51232	203.59316	4.25151	0.1504802	0.17983616	3.1085036	21	11 18.8	20.7
218504 2004 TW_{98}	16.1	X	56.05167	340.59201	59.89749	3.21385	0.1015322	0.18821462	3.0155543	21	—	—
218505 2004 TD_{99}	15.0	X	284.73443	147.07117	315.04691	14.61065	0.1249006	0.17546615	3.1599035	21	10 20.1	19.5
218506 2004 TZ_{103}	15.2	X	202.34225	45.18528	177.42331	9.66295	0.0360562	0.18642760	3.0347942	21	12 25.8	19.7
218507 2004 TO_{104}	15.1	X	14.49710	356.79319	36.54493	16.75880	0.1537358	0.18079145	3.0975438	21	12 24.4	19.2
218508 2004 TL_{106}	15.4	X	71.88689	169.77355	173.37093	11.31246	0.0209115	0.18398314	3.0616159	21	12 20.6	20.0
218509 2004 TU_{106}	15.5	X	121.24289	102.40559	195.01548	1.53451	0.1593267	0.18655236	3.0334409	21	12 30.3	20.5
218510 2004 TY_{108}	15.6	X	62.33004	283.08559	129.25426	8.40026	0.2022737	0.19120268	2.9840544	21	—	—
218511 2004 TS_{109}	15.5	X	11.89649	341.69654	66.56825	7.18870	0.1197663	0.18149037	3.0895862	21	—	—
218512 2004 TL_{112}	14.9	X	293.73250	191.51760	295.56443	14.87070	0.0210896	0.18119489	3.0929442	21	12 23.1	19.2
218513 2004 TT_{123}	16.0	X	61.21242	177.92384	161.17348	9.95146	0.1847870	0.18173399	3.0868246	21	12 24.1	20.7
218514 2004 TP_{131}	15.0	X	64.52548	268.73239	70.67548	10.53740	0.1976779	0.18026427	3.1035800	21	12 28.9	19.7
218515 2004 TG_{136}	15.1	X	131.48469	318.92393	296.31761	8.07526	0.0383957	0.17825781	3.1268257	21	11 12.4	19.7
218516 2004 TN_{168}	15.4	X	28.66122	161.92449	144.75536	5.62032	0.1628224	0.17173255	3.2055383	21	9 29.8	19.3
218517 2004 TT_{195}	15.5	X	307.78784	155.91979	317.69096	1.65429	0.1623933	0.17999244	3.1067040	21	12 13.6	18.9
218518 2004 TT_{209}	15.6	X	4.95139	316.13794	163.05098	2.03715	0.2354955	0.19083704	2.9878647	21	—	—
218519 2004 TT_{237}	15.5	X	54.60221	296.40208	30.14169	3.69829	0.1878504	0.17854363	3.1234878	21	12 1.2	20.0
218520 2004 TF_{243}	15.2	X	51.18669	221.56310	114.86021	18.57351	0.2251039	0.17960474	3.1111732	21	12 16.8	19.8
218521 2004 TA_{255}	15.9	X	123.68494	128.63934	180.38565	8.49334	0.0598674	0.18695459	3.0290885	21	—	—
218522 2004 TN_{265}	15.6	X	177.68664	183.62591	29.39439	2.78098	0.0767200	0.17617491	3.1514228	21	11 13.1	20.3
218523 2004 TH_{274}	15.1	X	74.77411	85.39086	227.36330	16.16324	0.2683318	0.17908722	3.1171641	21	12 14.8	20.2
218524 2004 TT_{274}	15.4	X	336.23225	184.85019	231.05551	4.40051	0.1598002	0.17458112	3.1705737	21	11 18.5	19.0
218525 2004 TE_{301}	14.9	X	16.86775	83.33400	286.14814	9.40472	0.0588410	0.17618014	3.1513605	21	11 15.4	19.2
218526 2004 TM_{306}	15.0	X	119.35959	303.66052	331.61502	8.89413	0.0363512	0.18051738	3.1006783	21	11 22.9	19.6
218527 2004 TO_{307}	14.9	X	127.95783	303.67346	334.92160	8.44048	0.0382099	0.18142197	3.0903628	21	12 7.9	19.6
218528 2004 TS_{339}	16.3	X	114.23825	124.10204	195.02066	1.98780	0.1020090	0.18619558	3.0373148	21	—	—
218529 2004 TN_{351}	15.8	X	19.77411	236.93699	163.23332	3.42744	0.1439219	0.17984982	3.1083462	21	—	—
218530 2004 TQ_{355}	15.1	X	358.56389	280.28461	162.05942	16.52233	0.2024652	0.18373773	3.0643414	21	—	—
218531 2004 TA_{358}	14.6	X	324.44720	208.57468	223.47703	27.68356	0.2036909	0.17234124	3.1979861	21	11 15.3	17.9
218532 2004 TM_{358}	15.1	X	57.87495	4.08482	346.96122	8.86275	0.0867256	0.18198706	3.0839622	21	12 21.8	19.6
218533 2004 UZ_{6}	15.3	X	357.91935	111.58609	349.67169	7.98521	0.0555366	0.18836445	3.0139549	21	—	—
218534 2004 VW_{4}	16.1	X	13.96066	107.77805	258.05733	8.99216	0.2451823	0.17506199	3.1647651	21	11 30.9	19.7
218535 2004 VF_{12}	15.3	X	18.99536	318.28654	101.85108	5.04663	0.1672875	0.18261781	3.0768569	21	—	—
218536 2004 VB_{16}	15.4	X	7.82080	248.12198	153.51834	10.94446	0.1898254	0.17812544	3.1283746	21	12 29.5	19.3
218537 2004 VO_{18}	14.5	X	14.73244	232.90866	43.98233	14.07494	0.0695065	0.15939315	3.3689115	21	7 22.3	19.2
218538 2004 VV_{26}	14.4	X	299.97507	77.84224	18.64987	8.08720	0.1821259	0.17399712	3.1776643	21	11 3.1	18.1
218539 2004 VP_{57}	14.9	X	320.87140	77.53678	332.62824	4.76625	0.0970353	0.16967869	3.2313538	21	10 15.7	19.0
218540 2004 VW_{60}	15.5	X	355.41414	251.93241	155.44999	22.63175	0.2347571	0.17694382	3.1422866	21	12 21.9	19.3
218541 2004 VW_{74}	16.5	X	129.77502	277.54393	68.98674	24.60559	0.1070486	0.36584877	1.9361321	21	—	—
218542 2004 WQ_{8}	16.6	X	162.93443	116.60107	249.66734	21.84554	0.1026067	0.37403155	1.9077900	21	1 10.9	19.0
218543 2004 XF	16.6	X	156.31927	89.71169	295.00627	22.70572	0.0355479	0.37772161	1.8953445	21	1 21.9	18.3
218544 2004 XS_{5}	14.7	X	15.82812	2.09464	76.24218	19.41064	0.2932713	0.18251814	3.0779770	21	—	—
218545 2004 XG_{8}	14.8	X	124.29706	359.70165	26.08749	7.70847	0.1785177	0.19213968	2.9743450	21	2 13.8	19.3
218546 2004 XW_{44}	16.6	X	184.04711	270.31406	85.32718	24.43619	0.0998870	0.37606298	1.9009134	21	2 2.3	19.2
218547 2004 XO_{102}	16.6	X	124.92465	93.75981	289.00479	17.24132	0.1064569	0.36603722	1.9354675	21	—	—
218548 2004 YV_{5}	15.1	X	355.83240	279.43264	159.09477	25.37507	0.2961633	0.17794889	3.1304435	21	—	—
218549 2005 AZ_{32}	16.4	X	317.30570	201.23296	291.62844	17.78099	0.0534783	0.35714736	1.9674532	21	—	—
218550 2005 BQ_{26}	16.6	X	301.16316	165.37506	315.05547	16.72262	0.0731986	0.34994156	1.9943698	21	—	—
218551 2005 CA_{40}	17.3	X	279.17374	139.07516	135.37406	4.78089	0.2086327	0.30666713	2.1778329	21	1 29.8	20.5
218552 2005 EM_{28}	16.1	X	172.72116	93.47188	153.37119	10.24072	0.1217524	0.28039726	2.3118174	21	—	—
218553 2005 EK_{41}	15.1	X	310.57589	107.38420	71.69962	12.65722	0.1493703	0.17441096	3.1726357	21	—	—
218554 2005 EV_{84}	15.7	X	243.57256	198.95472	17.53591	27.54764	0.1970432	0.28677989	2.2773874	21	—	—
218555 2005 EW_{133}	17.2	X	260.27626	67.01429	150.82653	6.48054	0.1261149	0.29268117	2.2466713	21	—	—
218556 2005 EE_{147}	17.1	X	187.71241	337.40492	3.95103	5.62006	0.1758914	0.29599363	2.2298782	21	2 5.3	20.4
218557 2005 ET_{150}	17.2	X	202.32239	278.86421	36.25320	6.35428	0.1258043	0.29475470	2.2361223	21	1 14.0	20.5
218558 2005 EM_{198}	16.8	X	268.19089	278.10570	358.19149	6.95496	0.0995309	0.29939938	2.2129356	21	2 2.4	19.8
218559 2005 EW_{220}	17.7	X	227.16039	109.27662	196.91585	6.10992	0.1461902	0.29747521	2.2224681	21	1 24.2	21.2
218560 2005 EN_{227}	17.7	X	268.75108	158.00684	172.25501	3.35727	0.0966078	0.31129779	2.1561817	21	4 15.2	20.4

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218561 2005 EZ_{239}	17.5	X	226.46181	120.56869	156.66899	4.66147	0.1645846	0.29332569	2.2433790	21	—	—
218562 2005 EC_{266}	17.3	X	162.83301	41.07944	205.84158	2.87440	0.1583695	0.27660209	2.3329159	21	12 20.8	21.0
218563 2005 GV_{29}	17.0	X	294.26318	48.60999	171.03210	3.71147	0.1357367	0.29563606	2.2316759	21	—	—
218564 2005 GP_{69}	16.9	X	218.75938	69.78112	206.49791	4.57352	0.1476973	0.28955641	2.2628057	21	—	—
218565 2005 GO_{113}	17.6	X	256.14511	314.54455	322.61747	2.53117	0.2170056	0.29903027	2.2147563	21	1 14.1	21.2
218566 2005 GR_{113}	16.8	X	234.12927	236.57691	67.80802	3.70073	0.1884373	0.29634716	2.2281044	21	1 30.9	20.3
218567 2005 GV_{113}	16.6	X	168.09631	79.24746	161.41955	11.25053	0.2100691	0.27408888	2.3471550	21	12 15.8	20.6
218568 2005 GQ_{123}	17.2	X	148.29269	211.08055	63.00258	10.89492	0.2255147	0.27623034	2.3350085	21	—	—
218569 2005 GR_{180}	17.5	X	167.64409	101.76610	177.54003	4.80773	0.2338076	0.28016811	2.3130778	21	—	—
218570 2005 GO_{204}	17.8	X	102.28391	263.72319	31.26198	1.63409	0.2202308	0.27064728	2.3670110	21	12 26.7	21.7
218571 2005 JN_{34}	15.9	X	255.57524	167.36008	200.01679	11.51095	0.3068508	0.24284882	2.5443609	21	5 4.6	20.3
218572 2005 JX_{36}	15.9	X	174.43066	183.11304	77.94938	25.63722	0.2214823	0.27623961	2.3349563	21	—	—
218573 2005 JW_{46}	17.2	X	106.99846	274.96438	52.43257	7.92038	0.2736749	0.27422181	2.3463964	21	—	—
218574 2005 JX_{48}	15.4	X	280.52585	146.42424	105.85539	6.66458	0.1154891	0.17262278	3.1945080	21	2 4.3	20.2
218575 2005 JY_{51}	16.9	X	192.28043	131.64356	209.62170	7.12567	0.0312400	0.29575499	2.2310775	21	1 26.7	19.7
218576 2005 JN_{58}	16.6	X	22.71218	126.43143	171.24480	10.67199	0.2597091	0.25409584	2.4687153	21	10 4.7	18.8
218577 2005 JH_{82}	17.5	X	174.02240	126.14294	183.92460	1.90826	0.2281467	0.28705166	2.2759498	21	—	—
218578 2005 JT_{86}	16.9	X	152.49246	300.46620	321.80579	2.68884	0.2053766	0.27360943	2.3498962	21	12 28.3	20.8
218579 2005 JJ_{112}	16.7	X	51.72731	218.04578	91.03046	12.41640	0.2537262	0.26121589	2.4236486	21	12 1.2	20.2
218580 2005 JD_{121}	17.4	X	190.75932	168.17975	111.80633	4.07283	0.1733618	0.28202300	2.3029245	21	—	—
218581 2005 JA_{127}	16.5	X	114.52813	84.33357	182.91444	10.62978	0.2320404	0.26660080	2.3909019	21	12 4.4	20.7
218582 2005 JR_{181}	17.4	X	288.17363	228.86512	12.56994	5.99993	0.1656958	0.29539576	2.2328860	21	1 2.9	20.7
218583 2005 KD	17.0	X	119.19298	6.69397	280.65863	4.71562	0.2273897	0.27027194	2.3692019	21	12 31.1	21.1
218584 2005 KB_{5}	17.2	X	334.99906	290.22437	210.39680	3.56185	0.0828641	0.28643053	2.2792389	21	—	—
218585 2005 KE_{10}	16.8	X	84.25358	229.17776	67.91917	5.17571	0.1970036	0.26520604	2.3992773	21	12 11.2	20.6
218586 2005 KM_{10}	17.3	X	110.82593	39.38239	243.41658	0.80105	0.1758529	0.26789985	2.3831666	21	12 16.9	21.0
218587 2005 LV_{26}	17.0	X	52.73747	29.44425	266.94081	3.34417	0.2047704	0.25611171	2.4557440	21	11 6.0	20.2
218588 2005 LF_{30}	17.1	X	31.78596	240.06324	129.14293	1.89997	0.2055716	0.26150408	2.4218676	21	—	—
218589 2005 LO_{30}	17.0	X	105.73148	175.10817	101.26128	3.52339	0.1461273	0.26289640	2.4133091	21	12 2.5	20.5
218590 2005 LJ_{40}	16.8	X	46.32209	141.37310	179.52312	1.93373	0.1812378	0.25799149	2.4438008	21	11 28.3	19.9
218591 2005 LL_{42}	16.7	X	106.76056	222.29696	98.94848	3.30665	0.2152827	0.27122974	2.3636211	21	—	—
218592 2005 MF_{37}	16.8	X	25.74688	83.43004	290.23726	6.42811	0.1525010	0.26035127	2.4290115	21	—	—
218593 2005 MG_{39}	16.4	X	355.37543	261.99712	110.04754	3.78959	0.2839141	0.25331040	2.4738159	21	12 2.9	18.1
218594 2005 MH_{40}	16.7	X	3.60683	152.54030	222.12076	3.90246	0.1235880	0.25769589	2.4456692	21	11 29.3	19.3
218595 2005 MR_{40}	16.9	X	39.14948	51.44724	257.48008	6.09836	0.1212733	0.25480597	2.4641264	21	10 20.9	20.0
218596 2005 MY_{50}	15.8	X	314.69410	43.92299	245.09202	6.70248	0.1870087	0.23588362	2.5942044	21	4 10.9	19.1
218597 2005 MY_{52}	16.6	X	114.98548	144.91280	193.52749	5.90729	0.3059880	0.27004637	2.3705211	21	—	—
218598 2005 NQ_{2}	17.0	X	60.09910	193.93372	145.11053	2.94960	0.2230993	0.26147359	2.4220559	21	—	—
218599 2005 NG_{10}	17.2	X	80.46590	109.71937	159.67965	1.25283	0.1596852	0.25753804	2.4466685	21	10 29.6	20.7
218600 2005 NS_{53}	17.0	X	48.25369	129.48747	189.58576	1.63612	0.1758225	0.25767563	2.4457974	21	11 27.4	20.1
218601 2005 NR_{55}	16.2	X	296.01324	75.39036	198.38371	16.69606	0.2090056	0.23176287	2.6248640	21	2 21.7	20.3
218602 2005 NE_{69}	16.9	X	123.15961	14.57858	253.16221	1.13165	0.1233147	0.26394980	2.4068840	21	12 7.5	20.5
218603 2005 NN_{72}	16.6	X	83.85445	217.31509	72.30478	7.93234	0.2115808	0.26044077	2.4284550	21	12 2.5	20.1
218604 2005 NB_{80}	16.2	X	67.71939	338.29814	8.83609	6.96041	0.1841990	0.26459452	2.4029726	21	—	—
218605 2005 ND_{91}	16.8	X	130.50618	54.38972	168.93876	7.79381	0.1013676	0.25824383	2.4422085	21	10 20.4	20.4
218606 2005 NW_{99}	16.4	X	37.02181	297.97332	54.31317	3.08975	0.2119813	0.25821317	2.4424019	21	12 31.8	19.7
218607 2005 NG_{124}	17.0	X	37.87866	21.78272	333.99863	2.07423	0.1401476	0.25954842	2.4340180	21	12 27.1	20.0
218608 2005 OD_{1}	16.1	X	288.43456	299.19247	82.68219	12.81689	0.2345979	0.24256452	2.5463487	21	7 5.5	19.2
218609 2005 OZ_{3}	15.9	X	358.36422	272.91669	115.79587	12.00264	0.3603142	0.25357588	2.4720889	21	—	—
218610 2005 OK_{15}	16.5	X	26.22989	98.24716	217.74019	5.51568	0.1390337	0.25357457	2.4720975	21	10 14.9	19.1
218611 2005 PL	15.1	X	326.85579	330.03767	343.11874	29.02545	0.1612892	0.23694602	2.5864442	21	6 9.5	18.8
218612 2005 PY_{3}	15.6	X	74.52983	4.65785	3.45899	15.73259	0.2315350	0.26389775	2.4072005	21	—	—
218613 2005 PE_{9}	16.9	X	8.08111	183.72423	93.27748	6.05344	0.1228956	0.24285603	2.5443106	21	7 12.3	19.4
218614 2005 PO_{12}	15.3	X	358.96679	248.66081	342.79577	15.30727	0.1665395	0.17238490	3.1974462	21	4 14.8	19.3
218615 2005 QT_{7}	15.9	X	210.65341	184.16560	143.54232	4.98289	0.0568297	0.22004098	2.7172754	21	2 16.8	19.7
218616 2005 QM_{42}	16.7	X	65.73502	169.04097	142.55548	2.95109	0.1945324	0.25775511	2.4452946	21	12 10.1	20.3
218617 2005 QY_{42}	15.8	X	194.70902	234.45389	155.97555	14.36034	0.1238960	0.22603518	2.6690212	21	4 22.5	20.2
218618 2005 QF_{50}	15.9	X	237.86304	180.97672	122.63003	6.09140	0.1027032	0.22072607	2.7116500	21	2 15.4	19.9
218619 2005 QG_{85}	15.7	X	271.46116	330.77950	359.84659	12.18043	0.1571900	0.22828003	2.6514947	21	4 14.8	19.8
218620 2005 QK_{88}	16.1	X	25.01572	345.48107	7.65508	9.18464	0.2854392	0.25638240	2.4540152	21	12 28.8	19.3
218621 2005 QW_{91}	16.9	X	348.81072	124.34375	225.68366	3.77245	0.1678875	0.24774118	2.5107526	21	9 25.1	19.0
218622 2005 QU_{107}	17.7	X	313.50727	151.35856	176.67850	4.96079	0.2556707	0.23924584	2.5698422	21	5 25.6	20.7
218623 2005 QY_{108}	16.6	X	10.82720	80.85748	175.25303	14.95501	0.1203938	0.23747626	2.5825927	21	6 15.9	19.7
218624 2005 QQ_{138}	16.8	X	36.63177	105.03748	154.31191	6.67929	0.1895268	0.24266006	2.5456803	21	8 18.0	19.4
218625 2005 QE_{153}	16.2	X	286.71484	353.18401	353.25667	4.84751	0.2228582	0.23382191	2.6094316	21	5 16.0	19.8
218626 2005 QM_{172}	16.6	X	274.55068	116.11726	240.54087	2.38154	0.0820777	0.23389668	2.6088755	21	6 5.9	19.9
218627 2005 QP_{179}	15.5	X	99.68647	177.51875	302.40351	20.96561	0.0614481	0.22390460	2.6859260	21	4 7.1	19.6
218628 2005 QD_{182}	16.5	X	267.68312	238.18060	159.74743	13.23997	0.1823330	0.23716810	2.5848293	21	7 7.6	20.3
218629 2005 RN_{4}	16.1	X	189.51723	45.78855	351.85925	4.21488	0.1024387	0.22236522	2.6983077	21	4 20.8	20.2
218630 2005 RP_{19}	16.8	X	305.63725	153.85334	156.42261	4.59703	0.2236142	0.23502356	2.6005295	21	4 25.1	20.2
218631 2005 RG_{24}	15.4	X	228.80921	12.95827	7.76053	14.36876	0.2615642	0.22640592	2.6661068	21	4 28.1	20.2
218632 2005 RM_{24}	15.4	X	189.43003	14.10045	357.41799	12.92736	0.1981326	0.21917585	2.7244212	21	3 22.4	20.0
218633 2005 RX_{29}	17.2	X	271.01792	15.50494	336.80828	3.69492	0.1581597	0.23313882	2.6145261	21	5 14.3	21.0
218634 2005 RP_{31}	15.4	X	219.91554	51.92386	293.80856	12.20384	0.2307343	0.22281711	2.6946582	21	3 10.2	20.3
218635 2005 RT_{31}	16.0	X	293.93550	38.31976	261.85299	10.82232	0.1786595	0.22952121	2.6419271	21	3 27.8	19.9
218636 Calabria	16.4	X	243.30244	67.95495	232.69981	7.41722	0.1311304	0.21967973	2.7202536	21	2 11.8	20.8
218637 2005 SP_{15}	16.8	X	296.94636	52.52284	239.76850	2.02769	0.1522407	0.22875210	2.6478456	21	3 29.7	20.3
218638 2005 SS_{18}	17.1	X	6.79720	84.14176	196.89955	1.45528	0.2091490	0.23997045	2.5646663	21	7 19.5	19.0
218639 2005 SM_{19}	16.8	X	272.11291	309.84922	24.11579	11.71011	0.2135652	0.22934304	2.6432953	21	4 16.2	20.6
218640 2005 SR_{23}	15.6	X	179.06468	8.64564	19.67246	14.92499	0.1349297	0.22234994	2.6984313	21	4 2.5	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218641 2005 SF_{25}	16.2	X	197.14223	236.01172	168.66862	12.43644	0.3051513	0.22341261	2.6898678	21	5 10.5	21.3
218642 2005 SV_{26}	16.6	X	249.14257	235.13734	94.90814	2.71975	0.1148114	0.22567749	2.6718407	21	3 30.6	20.5
218643 2005 SZ_{39}	16.8	X	2.88756	265.23521	14.43002	3.30120	0.1433091	0.23712936	2.5851108	21	7 6.6	19.2
218644 2005 SJ_{47}	16.2	X	287.94325	102.17885	204.09966	10.91172	0.1835578	0.22889031	2.6467796	21	4 1.4	20.0
218645 2005 SF_{54}	16.3	X	48.14382	10.18767	197.88695	11.02278	0.1828952	0.22918999	2.6444719	21	6 21.7	19.4
218646 2005 SD_{65}	16.7	X	323.08421	357.34173	305.82579	2.74311	0.1024142	0.23479966	2.6021824	21	5 29.7	19.7
218647 2005 SW_{89}	16.2	X	274.17183	134.75014	200.69080	11.02951	0.1868761	0.22984399	2.6394531	21	4 24.5	20.1
218648 2005 SP_{93}	16.5	X	286.42734	271.34112	24.14491	2.13308	0.1833020	0.22549670	2.6732686	21	3 18.9	20.2
218649 2005 ST_{94}	15.9	X	291.14672	29.30242	286.87162	14.47574	0.1074442	0.23184321	2.6242576	21	4 24.4	19.8
218650 2005 SE_{95}	16.0	X	358.46561	44.74110	235.21105	17.67851	0.2019404	0.23877716	2.5732039	21	6 23.4	18.4
218651 2005 SD_{119}	16.4	X	232.51347	229.28125	154.38192	12.31108	0.2030534	0.22963970	2.6410182	21	5 15.6	21.0
218652 2005 SY_{125}	16.7	X	242.21077	216.30403	163.25272	8.06839	0.1983062	0.23068781	2.6330127	21	5 18.3	21.0
218653 2005 SB_{134}	16.0	X	319.43802	29.80264	279.67694	11.40412	0.1924773	0.23326641	2.6135727	21	5 17.3	19.1
218654 2005 SU_{144}	17.0	X	237.89484	302.32003	163.78980	5.64076	0.1841777	0.24150157	2.5538149	21	9 2.3	20.9
218655 2005 SS_{151}	16.1	X	232.13692	163.75303	185.02189	7.65376	0.0774725	0.22337829	2.6901432	21	4 7.1	19.9
218656 2005 SV_{152}	15.9	X	211.11002	240.74308	159.12685	10.04154	0.0921490	0.22453160	2.6809234	21	5 20.5	20.1
218657 2005 SO_{157}	16.2	X	123.77646	149.83484	175.44744	1.98206	0.0651699	0.20086086	2.8876142	21	—	—
218658 2005 SP_{158}	15.8	X	107.02650	125.20168	313.47271	13.40409	0.0350618	0.21781471	2.7357595	21	2 27.3	19.6
218659 2005 SY_{158}	16.4	X	281.92009	40.60580	302.57855	3.60031	0.1436316	0.23189198	2.6238896	21	5 17.9	19.9
218660 2005 SU_{163}	15.7	X	19.93133	99.86384	174.54772	10.75899	0.1103306	0.23672722	2.5880376	21	7 27.4	18.7
218661 2005 SW_{171}	17.3	X	274.16957	94.23811	277.28806	2.60677	0.1589580	0.23563632	2.5960192	21	6 13.9	20.9
218662 2005 SS_{205}	16.6	X	265.60806	213.38190	163.61971	9.31535	0.0762447	0.23553687	2.5967498	21	6 22.9	20.3
218663 2005 SH_{206}	16.1	X	272.36480	270.18485	39.57910	13.75040	0.2369423	0.22814330	2.6525540	21	3 21.6	20.4
218664 2005 SW_{208}	16.1	X	254.63907	83.71501	209.66257	2.80418	0.0707230	0.21887033	2.7269560	21	2 21.1	20.1
218665 2005 SE_{214}	16.0	X	314.09871	310.20312	1.00126	12.81379	0.2612764	0.23366344	2.6106112	21	4 25.9	19.5
218666 2005 SW_{214}	16.5	X	255.32456	91.02948	257.65196	6.34896	0.2081224	0.22846299	2.6500789	21	4 17.0	20.7
218667 2005 SN_{216}	16.4	X	183.20288	214.55742	189.21283	6.08927	0.1878486	0.22221434	2.6995290	21	4 26.3	20.8
218668 2005 SO_{220}	16.0	X	203.74167	89.50842	298.05360	11.52522	0.1912848	0.22351204	2.6890699	21	4 17.5	20.7
218669 2005 SX_{220}	15.7	X	323.56131	24.85692	290.81660	8.58845	0.2261314	0.23558880	2.5963682	21	5 29.0	18.4
218670 2005 SC_{221}	15.7	X	218.35634	11.02665	359.01048	13.64447	0.1891909	0.22248630	2.6973287	21	4 10.6	20.3
218671 2005 SM_{236}	16.4	X	272.79957	284.89828	338.83307	2.85215	0.0484082	0.21436511	2.7650308	21	2 9.8	20.2
218672 2005 SK_{242}	16.7	X	293.96279	39.41886	224.09473	10.27053	0.1671625	0.22198399	2.7013962	21	2 13.3	20.9
218673 2005 SB_{247}	16.6	X	133.59104	205.61221	211.80451	4.84474	0.0420183	0.21631292	2.7484072	21	3 9.5	20.4
218674 2005 SX_{255}	16.8	X	336.05997	137.26566	176.38603	2.68740	0.0166199	0.23794981	2.5791651	21	7 12.9	20.1
218675 2005 SK_{262}	16.9	X	5.60772	36.93913	305.29190	5.87850	0.1911680	0.25033939	2.4933501	21	10 20.5	19.4
218676 2005 SQ_{270}	16.4	X	344.68819	205.21710	89.00334	5.22045	0.2166370	0.23837644	2.5760868	21	6 13.4	18.6
218677 2005 SW_{278}	15.7	X	13.59203	274.33779	347.92081	13.07459	0.1405591	0.23517854	2.5993869	21	7 3.6	18.6
218678 2005 TE_{5}	16.3	X	283.07693	74.10858	275.03598	3.35898	0.0852502	0.23285500	2.6166502	21	6 6.5	19.6
218679 Sagamorehill	16.1	X	226.73534	197.71675	149.90263	11.09405	0.1476949	0.22388228	2.6861045	21	3 29.5	20.4
218680 2005 TE_{17}	16.3	X	306.44379	115.30345	151.30000	4.06371	0.0555376	0.22342873	2.6897384	21	3 25.8	19.9
218681 2005 TV_{18}	16.6	X	267.73066	182.86416	149.41171	2.03003	0.1017022	0.22806248	2.6531807	21	4 23.9	20.4
218682 2005 TM_{24}	16.4	X	296.69068	70.69404	198.21224	2.22299	0.0640502	0.21895285	2.7262707	21	3 13.7	20.1
218683 2005 TT_{41}	16.8	X	291.54689	30.74471	299.03497	4.24986	0.2175192	0.23326708	2.6135676	21	4 30.3	20.4
218684 2005 TW_{44}	16.4	X	160.20115	223.73498	206.21244	8.35581	0.2774090	0.21887102	2.7269502	21	5 12.7	21.2
218685 2005 TG_{51}	15.3	X	275.29978	298.29088	193.74163	15.70857	0.0484264	0.18815896	3.0161489	21	12 4.3	19.6
218686 2005 TK_{54}	16.6	X	216.55763	269.96050	136.08626	5.97869	0.1548821	0.22820003	2.6521143	21	5 29.6	20.8
218687 2005 TA_{56}	15.9	X	238.45793	267.73335	46.61295	6.86903	0.0282791	0.21802236	2.7340221	21	3 8.7	19.8
218688 2005 TD_{62}	16.9	X	292.86104	280.40466	64.12751	3.26249	0.1362273	0.23310551	2.6147752	21	6 5.7	20.0
218689 2005 TR_{64}	16.3	X	127.86816	281.82778	191.34915	4.91543	0.0577063	0.22361058	2.6882799	21	5 17.6	20.0
218690 2005 TU_{74}	16.3	X	245.73135	68.71232	316.28561	7.53062	0.0991777	0.23179520	2.6246199	21	6 4.8	20.3
218691 2005 TF_{75}	15.9	X	196.14763	190.00468	227.41893	12.79594	0.2596109	0.22627345	2.6671472	21	5 22.8	20.7
218692 Leesnyder	15.8	X	158.92537	308.06036	139.12998	13.88995	0.1506064	0.22643424	2.6658845	21	5 29.2	20.3
218693 2005 TA_{78}	15.5	X	262.62911	131.83434	230.48870	13.60321	0.1276400	0.22839407	2.6506120	21	5 23.4	19.3
218694 2005 TD_{79}	16.3	X	229.48351	312.79688	25.88253	2.78191	0.1187142	0.22103724	2.7091045	21	3 20.7	20.4
218695 2005 TG_{79}	16.3	X	241.80309	210.52973	158.98722	14.30137	0.1727391	0.22801243	2.6535689	21	5 9.3	20.7
218696 2005 TK_{83}	15.4	X	256.74137	357.63114	15.59572	13.54752	0.2954915	0.22972205	2.6403871	21	5 9.3	19.9
218697 2005 TT_{99}	17.2	X	251.06673	105.97599	286.27491	1.62417	0.2208470	0.23256858	2.6187981	21	6 7.7	21.2
218698 2005 TS_{159}	16.6	X	227.69419	81.37615	261.34665	3.78288	0.0939527	0.22156390	2.7048097	21	3 22.3	20.7
218699 2005 TD_{162}	16.6	X	13.41670	321.60299	282.54687	1.56159	0.0629402	0.22901879	2.6457896	21	5 31.9	19.7
218700 2005 TO_{162}	16.4	X	342.93391	328.92738	327.46177	1.23687	0.1012110	0.23400369	2.6080800	21	6 23.9	19.3
218701 2005 TQ_{165}	16.0	X	277.22537	303.85779	346.75058	1.96958	0.0317686	0.21935882	2.7229060	21	3 21.8	19.7
218702 2005 TR_{167}	16.8	X	11.50192	9.03308	239.25944	0.72060	0.0501851	0.22851304	2.6496920	21	6 3.8	20.1
218703 2005 TH_{182}	16.1	X	219.96083	155.43461	271.76571	10.84068	0.1646675	0.23609853	2.5926299	21	6 26.9	20.0
218704 2005 TW_{186}	16.4	X	308.55087	312.37307	301.82339	2.66071	0.1687845	0.22236662	2.6982964	21	2 21.9	20.1
218705 2005 TL_{195}	16.7	X	48.63019	353.81197	141.18219	2.90534	0.0231580	0.21613138	2.7499460	21	2 25.6	20.1
218706 2005 UT_{2}	15.6	X	214.87323	45.44964	342.03369	28.44021	0.2227053	0.22446320	2.6814680	21	4 15.3	20.8
218707 2005 UD_{9}	16.3	X	129.03252	342.34346	85.61509	1.14654	0.0848914	0.21709327	2.7418171	21	3 25.1	20.2
218708 2005 UB_{17}	16.0	X	244.21505	18.12583	345.27651	5.61064	0.0678184	0.22519872	2.6756261	21	5 7.8	19.8
218709 2005 UN_{19}	16.5	X	170.30168	131.09380	270.70199	3.60601	0.2727898	0.21778170	2.7360359	21	4 14.0	21.4
218710 2005 UG_{20}	15.8	X	300.80175	113.91654	190.73677	10.52353	0.0694754	0.22559684	2.6724774	21	5 6.1	19.3
218711 2005 UL_{29}	16.5	X	266.55078	128.77214	222.08402	9.56922	0.3014272	0.23022121	2.6365691	21	4 22.8	20.9
218712 2005 UC_{33}	15.8	X	146.44615	18.16428	196.50576	0.91633	0.1327501	0.18163759	3.0879166	21	10 16.8	20.7
218713 2005 UY_{51}	16.1	X	214.48089	82.00442	292.66225	5.04842	0.0614200	0.22273872	2.6952904	21	4 18.1	20.1
218714 2005 UA_{53}	16.4	X	281.64247	147.35284	169.30326	4.02675	0.2635051	0.22851257	2.6496956	21	3 30.6	20.4
218715 2005 UF_{75}	15.4	X	322.28139	0.99646	321.13156	14.38234	0.1277418	0.23536268	2.5980310	21	6 23.6	18.6
218716 2005 UJ_{80}	16.6	X	248.93009	250.04231	143.06725	3.85112	0.2069036	0.23036155	2.6354982	21	6 8.7	20.7
218717 2005 UM_{82}	16.5	X	249.69849	63.44975	216.43693	3.46272	0.0679921	0.21314401	2.7755814	21	1 31.2	20.6
218718 2005 US_{118}	16.1	X	252.69700	51.48818	263.23161	1.50188	0.0826172	0.21953061	2.7214853	21	3 16.6	20.2
218719 2005 UQ_{119}	16.5	X	215.37078	42.81690	258.99326	1.19217	0.0704229	0.21093383	2.7949361	21	1 22.5	20.7
218720 2005 UC_{123}	16.4	X	266.00318	351.56425	15.76984	1.06478	0.1124717	0.23035654	2.6355364	21	6 4.7	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218721 2005 UW_{124}	16.3	X	48.02400	209.15120	328.56052	1.27697	0.0690503	0.21885843	2.7270548	21	4 24.5	19.7
218722 2005 UE_{132}	15.8	X	182.09692	183.33384	155.96823	12.29135	0.1714970	0.21074851	2.7965744	21	2 6.2	20.3
218723 2005 UY_{140}	16.1	X	177.08446	293.38841	167.14409	6.40335	0.1552434	0.22737554	2.6585218	21	6 28.9	20.4
218724 2005 UA_{160}	15.4	X	67.24699	116.93620	226.13152	8.45338	0.0334232	0.19202990	2.9754785	21	12 17.8	19.6
218725 2005 UN_{166}	16.6	X	288.35777	54.76290	242.22538	0.57378	0.0287908	0.22204635	2.7008904	21	4 13.6	20.3
218726 2005 UK_{203}	16.8	X	245.62663	143.66710	210.85125	4.36922	0.0328611	0.22402112	2.6849946	21	5 4.2	20.5
218727 2005 US_{211}	16.9	X	259.82242	247.07384	71.25595	3.43760	0.0986292	0.22007461	2.7169986	21	3 29.9	20.8
218728 2005 UA_{250}	16.0	X	159.59881	101.41406	267.49259	5.10783	0.0585571	0.21306141	2.7762986	21	2 9.9	20.0
218729 2005 UT_{250}	15.5	X	22.26366	176.42111	345.15717	8.76416	0.0966176	0.21330074	2.7742216	21	2 24.1	18.8
218730 2005 UH_{255}	16.6	X	51.51658	353.71078	183.57888	4.66334	0.0016047	0.22379271	2.6868212	21	4 23.7	20.2
218731 2005 UY_{256}	16.4	X	292.05007	109.90300	199.75709	4.87099	0.0413309	0.22467138	2.6798113	21	5 4.2	20.0
218732 2005 UK_{275}	16.2	X	153.66417	136.78568	287.32995	1.79632	0.0758293	0.21925425	2.7237717	21	4 15.0	20.3
218733 2005 UZ_{342}	15.9	X	247.77853	29.36037	323.77796	12.98238	0.2710449	0.22771439	2.6558837	21	4 6.9	20.7
218734 2005 UA_{362}	16.5	X	209.18290	142.90141	185.94484	2.59874	0.0723274	0.21440883	2.7646549	21	2 16.6	20.5
218735 2005 UZ_{364}	16.1	X	113.83843	230.46278	197.69935	6.04679	0.0420346	0.21208628	2.7848021	21	2 26.9	19.9
218736 2005 UY_{411}	16.7	X	134.81743	224.02160	127.39161	3.09027	0.0770505	0.20187423	2.8779426	21	—	—
218737 2005 UR_{436}	16.7	X	261.71109	76.54488	214.60566	10.35994	0.2545461	0.22207685	2.7006431	21	2 8.2	21.5
218738 2005 UY_{440}	15.8	X	230.49669	130.32794	249.23306	7.15859	0.2984865	0.22539893	2.6740415	21	4 29.4	20.6
218739 2005 UA_{444}	15.2	X	274.75330	245.44925	281.74845	7.17476	0.1215736	0.19208240	2.9749363	21	—	—
218740 2005 UC_{444}	16.0	X	310.14444	344.36603	9.66876	6.11203	0.2590579	0.23664244	2.5886557	21	6 25.9	18.8
218741 2005 UO_{457}	15.8	X	186.27331	302.40842	131.33312	12.44420	0.1679255	0.22602927	2.6690677	21	6 6.1	20.3
218742 2005 UH_{473}	16.1	X	168.85365	90.81381	286.48335	2.68008	0.1107584	0.21229439	2.7829818	21	3 7.1	20.3
218743 2005 UT_{480}	15.1	X	341.88018	306.16140	322.99696	30.41503	0.2473798	0.23320079	2.6140629	21	3 29.7	18.6
218744 2005 UX_{480}	15.8	X	257.54532	229.23772	117.75590	15.27632	0.1360210	0.22835028	2.6509509	21	5 3.1	20.0
218745 2005 UV_{482}	16.6	X	254.74200	243.47060	172.21861	13.04599	0.1672455	0.23637371	2.5906174	21	7 17.0	20.5
218746 2005 UX_{482}	16.3	X	87.83596	273.95920	176.63618	3.60686	0.0642590	0.21348839	2.7725957	21	2 25.7	19.8
218747 2005 UK_{486}	16.3	X	222.36788	64.99291	257.24685	3.88462	0.0659828	0.21640644	2.7476153	21	2 21.3	20.4
218748 2005 UT_{488}	16.2	X	190.62763	95.75644	246.39282	4.87804	0.0544679	0.21352376	2.7722895	21	2 11.2	20.3
218749 2005 UA_{499}	16.5	X	230.94939	194.61383	169.04722	14.67692	0.1392789	0.22403567	2.6848783	21	4 23.2	20.8
218750 2005 US_{512}	16.1	X	200.05369	236.97540	168.62915	6.13773	0.0378618	0.22356220	2.6886678	21	5 16.0	19.9
218751 2005 UH_{513}	16.4	X	180.33240	40.22769	350.63687	5.58674	0.1103154	0.21830779	2.7316385	21	4 3.6	20.7
218752 Tentlingen	15.8	X	259.52788	106.55011	302.69026	13.37537	0.2455913	0.23621856	2.5917516	21	7 6.9	19.7
218753 2005 VT_{23}	16.7	X	244.08684	322.80206	335.97893	1.33574	0.0668157	0.21335941	2.7737130	21	2 18.4	20.7
218754 2005 VV_{30}	14.6	X	97.10218	13.20960	238.09648	16.17911	0.1633678	0.17614794	3.1517445	21	10 11.9	19.7
218755 2005 VB_{51}	16.1	X	184.76523	250.82094	175.09720	8.30948	0.1138454	0.22521218	2.6755195	21	5 24.8	20.4
218756 2005 VH_{77}	16.3	X	337.63961	138.80313	158.22541	4.39350	0.2711881	0.23581537	2.5947049	21	5 24.5	18.6
218757 2005 VB_{91}	16.0	X	119.02120	96.96016	274.26263	8.03213	0.1134285	0.20215438	2.8752831	21	1 7.1	19.8
218758 2005 VZ_{96}	16.2	X	218.45521	26.54478	264.76690	0.99905	0.2285256	0.20999312	2.8032770	21	1 12.9	21.1
218759 2005 VR_{98}	15.1	X	266.91767	63.07174	329.50798	12.94182	0.1242871	0.23339674	2.6125996	21	7 11.3	18.8
218760 2005 VD_{110}	16.1	X	267.47437	251.05834	57.15084	6.43405	0.1623908	0.22178487	2.7030128	21	3 20.1	20.2
218761 2005 VG_{120}	15.4	X	355.44050	299.38720	110.30711	8.40676	0.1021051	0.17697556	3.1419108	21	12 11.4	19.4
218762 2005 VS_{120}	15.5	X	281.98670	69.76898	334.20917	14.65974	0.1540198	0.23694776	2.5864315	21	8 12.3	18.8
218763 2005 VW_{123}	15.4	X	292.40039	16.28558	332.90333	11.86661	0.1845528	0.23167430	2.6255329	21	6 1.8	19.1
218764 2005 WO_{1}	15.2	X	129.76520	93.75530	326.57011	23.61389	0.2064658	0.21055032	2.7983290	21	3 19.4	19.8
218765 2005 WO_{4}	15.3	X	295.56224	10.29798	327.80539	14.96236	0.1211851	0.23122782	2.6289116	21	5 31.9	19.1
218766 2005 WS_{16}	16.3	X	295.69335	251.51416	72.49618	5.10732	0.3488056	0.22985568	2.6393636	21	4 13.8	20.3
218767 2005 WX_{45}	15.1	X	342.64457	177.80796	252.15972	10.91017	0.0115829	0.18651860	3.0338070	21	12 15.4	19.2
218768 2005 WW_{62}	15.9	X	211.52110	164.99810	183.35454	8.59273	0.1347841	0.21571966	2.7534439	21	3 14.0	20.3
218769 2005 WV_{112}	16.7	X	208.59455	250.16100	66.70646	0.72563	0.0609262	0.21227782	2.7831266	21	2 2.7	20.8
218770 2005 WE_{114}	16.4	X	139.49677	34.16083	4.56761	3.84121	0.1002260	0.20913182	2.8109684	21	3 3.7	20.5
218771 2005 WF_{119}	15.3	X	261.98559	105.15210	268.33737	11.49084	0.2317507	0.22797161	2.6538856	21	5 23.9	19.5
218772 2005 WS_{120}	16.5	X	171.39304	299.53150	105.88822	2.58738	0.1456033	0.21584253	2.7523988	21	4 17.0	20.8
218773 2005 WL_{148}	16.0	X	235.15603	206.86408	167.59118	6.58248	0.0566672	0.22481419	2.6786763	21	5 16.5	19.8
218774 2005 WQ_{158}	14.9	X	108.39088	7.30970	276.79925	16.40329	0.0944077	0.18107123	3.0943522	21	11 27.8	19.7
218775 2005 WF_{161}	15.4	X	136.05724	300.31543	252.28215	5.92886	0.1020298	0.17165599	3.2064913	21	9 5.3	20.4
218776 2005 WA_{194}	15.7	X	76.75594	216.12360	148.05428	8.62118	0.0964416	0.19702804	2.9249427	21	—	—
218777 2005 XS_{10}	16.0	X	164.12192	271.27796	73.77448	4.93248	0.1068295	0.20886813	2.8133338	21	1 24.9	20.3
218778 2005 XL_{15}	16.3	X	160.09129	37.47856	239.03252	3.46470	0.1147575	0.19192453	2.9765675	21	—	—
218779 2005 XB_{27}	16.4	X	65.13503	68.68999	358.71778	1.42456	0.0779247	0.19737347	2.9215290	21	1 1.4	20.1
218780 2005 XD_{29}	14.7	X	213.44491	229.54217	295.84622	10.03014	0.0606232	0.17760197	3.1345186	21	10 22.9	19.6
218781 2005 XF_{32}	15.7	X	29.47253	231.05914	214.50156	1.25887	0.0800344	0.19632295	2.9319417	21	—	—
218782 2005 XW_{51}	15.8	X	127.74377	282.57862	30.04809	4.00587	0.0236386	0.18790181	3.0189001	21	—	—
218783 2005 XR_{82}	15.1	X	120.22840	309.39176	292.95469	6.09144	0.1224326	0.17591994	3.1544671	21	10 20.9	20.2
218784 2005 YQ_{1}	15.6	X	291.09148	355.89628	10.72284	14.33204	0.3198434	0.23088498	2.6315135	21	6 1.3	19.6
218785 2005 YY_{13}	15.6	X	320.07248	16.45655	108.92602	3.45395	0.1352980	0.18556304	3.0442132	21	—	—
218786 2005 YK_{29}	16.3	X	90.99052	41.93612	354.39012	1.40137	0.1180163	0.19595008	2.9356600	21	1 4.4	20.1
218787 2005 YX_{74}	14.8	X	25.45356	222.06088	94.55710	15.39382	0.1496112	0.17214646	3.2003980	21	10 12.7	19.1
218788 2005 YA_{165}	17.1	X	104.18206	196.25358	306.33883	7.70168	0.1432403	0.27741207	2.3283726	21	6 4.3	20.2
218789 2005 YK_{166}	15.1	X	274.32246	310.51321	133.86264	8.10754	0.0505038	0.17218391	3.1999339	21	10 4.8	19.6
218790 2005 YC_{181}	14.6	X	155.65932	251.30922	315.73796	20.14945	0.0375147	0.17103626	3.2142322	21	10 2.5	19.8
218791 2005 YE_{184}	14.7	X	10.43664	128.98974	139.69551	9.28778	0.0890284	0.15603137	3.4171295	21	7 2.6	19.2
218792 2005 YT_{189}	15.8	X	59.27286	142.70553	186.00835	2.70677	0.1004769	0.17823614	3.1270791	21	11 28.3	20.2
218793 2006 AJ_{5}	15.5	X	28.37352	336.64929	60.90837	15.58070	0.2456453	0.18531745	3.0469021	21	—	—
218794 2006 AS_{79}	16.2	X	306.29137	175.09233	70.44793	4.98919	0.1265496	0.26458902	2.4030059	21	2 9.4	19.3
218795 2006 AO_{83}	15.2	X	17.78075	276.09729	153.07399	9.39452	0.0536591	0.18603015	3.0391152	21	—	—
218796 2006 AO_{86}	15.5	X	326.47753	222.94860	237.38041	5.67438	0.1122989	0.18379810	3.0636704	21	12 30.9	19.3
218797 2006 AD_{91}	15.9	X	254.31773	252.07114	232.47953	1.28419	0.0765530	0.17258230	3.1950075	21	10 22.3	20.5
218798 2006 AX_{104}	15.3	X	353.79690	241.72588	147.84154	18.14749	0.2080944	0.17408120	3.1766410	21	11 24.4	19.1
218799 2006 BM_{11}	15.3	X	337.96283	300.35315	147.16791	9.62726	0.0896779	0.17964132	3.1107508	21	12 31.4	19.4
218800 2006 BN_{43}	14.9	X	301.60558	5.37596	109.04473	7.41308	0.1312325	0.17850656	3.1239202	21	12 7.9	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218801 2006 BC_{99}	15.6	X	348.87268	93.53625	316.37466	16.23993	0.1209265	0.17895318	3.1187203	21	11 30.3	19.7
218802 2006 BF_{140}	15.9	X	283.61315	291.92616	178.67745	1.01426	0.1036310	0.17430089	3.1739711	21	11 8.6	20.1
218803 2006 BS_{214}	14.8	X	76.49871	298.49525	13.67448	10.70830	0.0472015	0.17536726	3.1610913	21	11 17.9	19.4
218804 2006 BB_{252}	13.6	X	288.47488	172.61320	157.62913	4.05240	0.1088895	0.08299771	5.2050548	21	5 24.9	20.5
218805 2006 CU_{33}	15.6	X	12.03210	84.52096	290.69450	8.38045	0.1229755	0.17533657	3.1614602	21	11 22.8	19.6
218806 2006 DE_{1}	15.5	X	290.29909	186.67993	297.12000	9.33438	0.0465416	0.17543351	3.1602954	21	12 10.1	19.9
218807 2006 DM_{44}	15.5	X	309.60144	253.50814	171.99228	5.37402	0.1105329	0.17009783	3.2260434	21	10 20.3	19.6
218808 2006 DM_{56}	15.3	X	340.37500	49.48561	32.83142	5.31855	0.1324597	0.17797604	3.1301251	21	12 30.2	19.1
218809 2006 GH_{32}	15.6	X	112.13512	312.75620	149.61067	10.47686	0.2186743	0.21072104	2.7968175	21	5 8.8	20.0
218810 2006 GF_{38}	15.7	X	183.12263	29.87677	135.41320	12.57227	0.1099040	0.22155819	2.7048562	21	9 30.0	20.0
218811 2006 PD_{5}	17.6	X	7.20451	54.32845	324.04782	14.35638	0.0794441	0.34259385	2.0227847	21	12 27.7	19.8
218812 2006 RR_{94}	17.7	X	270.77207	65.84168	207.16753	5.72600	0.1753951	0.30155596	2.2023725	21	1 21.8	21.1
218813 2006 SO_{14}	17.5	X	265.43798	46.30768	248.70994	3.41303	0.2587768	0.30801722	2.1714644	21	2 7.7	21.0
218814 2006 SV_{14}	17.2	X	274.79033	357.29711	298.52051	3.56965	0.1792939	0.30836122	2.1698492	21	2 23.2	20.4
218815 2006 SE_{36}	15.3	X	233.77302	258.25902	124.63462	10.66724	0.0761988	0.18068130	3.0988027	21	5 27.1	20.0
218816 2006 SL_{115}	17.6	X	336.62270	340.03779	281.09689	2.80502	0.1273393	0.31426800	2.1425745	21	4 5.4	19.7
218817 2006 SS_{175}	16.1	X	251.68123	114.73504	346.90420	9.71415	0.0756876	0.19877164	2.9078127	21	9 22.4	20.3
218818 2006 SA_{263}	17.3	X	290.36590	120.04929	176.97840	2.82680	0.2341559	0.30919690	2.1659377	21	3 7.9	20.1
218819 2006 SZ_{265}	17.0	X	168.87398	147.66456	224.07587	5.68664	0.1191586	0.29679056	2.2258847	21	2 16.1	20.1
218820 2006 SN_{349}	16.6	X	186.73930	317.30527	359.66654	4.46320	0.1335902	0.29236206	2.2483058	21	—	—
218821 2006 TE_{4}	17.3	X	184.94792	229.26711	74.54923	5.34716	0.1783177	0.28880000	2.2667550	21	—	—
218822 2006 TF_{19}	17.8	X	262.96699	328.60520	357.55905	2.61542	0.1469346	0.30705823	2.1759833	21	3 27.1	20.5
218823 2006 TN_{22}	17.4	X	165.63314	191.63707	174.89049	2.46181	0.1577486	0.29479593	2.2359138	21	2 11.8	20.6
218824 2006 TD_{26}	17.5	X	189.92238	74.54518	216.63202	3.91293	0.1949229	0.28839399	2.2688820	21	—	—
218825 2006 TX_{34}	17.3	X	63.88053	200.55804	243.10820	2.82981	0.0983583	0.28730586	2.2746071	21	—	—
218826 2006 TJ_{45}	17.5	X	141.79360	103.45283	203.27597	4.39010	0.2288058	0.28143618	2.3061246	21	—	—
218827 2006 TJ_{68}	16.6	X	60.50511	193.61942	236.79258	5.73582	0.0804393	0.28697326	2.2763643	21	—	—
218828 2006 TG_{79}	16.7	X	149.63203	60.66572	197.67225	5.80960	0.0859252	0.26909182	2.3761237	21	12 23.5	20.1
218829 2006 TM_{79}	16.8	X	219.18884	105.01989	192.96577	5.63950	0.1371526	0.29355015	2.2422353	21	1 7.5	20.2
218830 2006 TD_{85}	16.9	X	245.98536	262.46843	4.97920	5.99749	0.0763688	0.29071674	2.2567807	21	—	—
218831 2006 TX_{101}	17.8	X	236.41849	41.73175	328.10598	0.50920	0.1942987	0.30925850	2.1656501	21	4 23.6	21.1
218832 2006 TV_{105}	17.0	X	158.56829	24.12551	299.25657	6.03354	0.2091501	0.28822054	2.2697922	21	—	—
218833 2006 UH_{6}	17.4	X	285.33683	114.42767	186.23994	4.13523	0.2116113	0.30818059	2.1706969	21	3 9.8	20.3
218834 2006 UN_{19}	16.3	X	125.40659	262.89079	316.59721	2.58373	0.1339787	0.26051179	2.4280137	21	10 8.9	20.0
218835 2006 UX_{40}	17.5	X	259.39514	46.31773	234.48070	1.66665	0.1346262	0.29652390	2.2272190	21	1 25.1	20.8
218836 2006 UY_{41}	16.1	X	120.77571	322.70661	45.76875	10.57876	0.1236522	0.21830668	2.7316478	21	1 4.9	20.0
218837 2006 UL_{55}	17.4	X	203.00105	91.90498	229.39029	3.83514	0.2026990	0.29522590	2.2337424	21	1 23.4	21.0
218838 2006 UW_{64}	17.2	X	224.37108	192.67566	145.76371	4.14128	0.1780495	0.30191180	2.2006416	21	3 4.9	20.6
218839 2006 UA_{71}	17.1	X	173.95572	234.46887	151.87605	5.48209	0.1717886	0.29855774	2.2170926	21	3 20.4	20.3
218840 2006 UG_{86}	17.1	X	229.44289	337.87712	323.60989	5.38511	0.1970915	0.29900092	2.2149013	21	1 22.5	20.6
218841 2006 US_{87}	16.7	X	192.88317	343.89114	277.49504	2.37430	0.1412305	0.27763753	2.3271119	21	—	—
218842 2006 UY_{179}	16.9	X	185.69682	259.79327	122.01637	5.69540	0.1739414	0.30087638	2.2056875	21	3 27.1	20.3
218843 2006 UZ_{202}	17.2	X	209.76804	149.32215	165.28783	7.06062	0.0403528	0.29461088	2.2368500	21	1 15.0	20.2
218844 2006 UQ_{204}	16.8	X	200.03249	91.18005	239.43849	4.45075	0.2075970	0.29615881	2.2290490	21	1 31.9	20.4
218845 2006 UY_{209}	17.2	X	175.39253	97.88896	255.09260	6.80786	0.1535547	0.29399242	2.2399859	21	2 2.3	20.6
218846 2006 UR_{228}	17.3	X	225.51880	255.43379	47.54775	7.39739	0.2275406	0.29803806	2.2196691	21	1 22.5	21.1
218847 2006 UP_{241}	15.3	X	352.13759	300.18721	276.37792	13.53704	0.0945872	0.22184673	2.7025103	21	3 10.9	18.9
218848 2006 UQ_{327}	16.7	X	72.03755	281.02497	56.41474	2.94012	0.2512412	0.26445553	2.4038145	21	—	—
218849 2006 UL_{338}	16.8	X	175.30190	202.30077	67.90368	3.30823	0.1384609	0.27467910	2.3437915	21	—	—
218850 2006 VW_{13}	17.0	X	235.13401	47.02886	274.09506	3.95230	0.1932236	0.30026320	2.2086894	21	2 18.3	20.5
218851 2006 VP_{34}	17.3	X	225.07669	349.19325	343.79403	2.01666	0.1848827	0.29940439	2.2129110	21	2 26.3	20.6
218852 2006 VV_{41}	16.8	X	225.28706	228.97802	135.29071	2.25681	0.1432790	0.30434628	2.1888906	21	4 9.4	19.9
218853 2006 VO_{51}	16.7	X	310.15831	187.31372	260.36511	3.50252	0.1591374	0.26273916	2.4142719	21	12 7.2	18.7
218854 2006 VK_{88}	17.2	X	133.91304	250.07147	340.82450	3.11956	0.1409528	0.26049712	2.4281048	21	10 31.9	21.1
218855 2006 VC_{94}	17.1	X	65.66058	157.45710	270.78003	1.48781	0.1383766	0.28187985	2.3037041	21	—	—
218856 2006 VN_{105}	17.7	X	208.16991	316.22422	347.63744	0.64786	0.2208482	0.29227121	2.2487717	21	1 8.7	21.2
218857 2006 WB_{80}	17.5	X	172.11631	298.85285	11.82930	1.89082	0.1835594	0.28445076	2.2898023	21	—	—
218858 2006 WO_{80}	17.1	X	169.16064	236.37262	21.97075	2.76435	0.1481448	0.27140421	2.3626079	21	—	—
218859 2006 WD_{82}	16.6	X	103.33295	216.88154	78.85034	13.30641	0.1931881	0.26757760	2.3850796	21	12 26.4	20.4
218860 2006 WR_{101}	17.3	X	150.97595	200.61552	153.94058	4.74656	0.1753500	0.29005144	2.2602303	21	1 14.1	20.4
218861 2006 WX_{112}	17.1	X	48.81221	71.58759	22.52396	4.03037	0.1634272	0.28091546	2.3089735	21	—	—
218862 2006 WK_{123}	16.7	X	39.79499	227.14328	138.87237	4.03274	0.2257617	0.26277583	2.4140472	21	—	—
218863 2006 WO_{127}	16.3	X	182.47466	314.37966	167.58765	11.01027	0.5491859	0.30282082	2.1962354	21	7 26.9	21.2
218864 2006 WF_{162}	16.9	X	25.90445	47.28826	209.21234	3.24944	0.1436337	0.24447938	2.5330352	21	7 16.6	19.4
218865 2006 WY_{204}	16.3	X	72.75758	69.67673	236.60856	0.71242	0.1366401	0.26148255	2.4220006	21	12 4.7	19.6
218866 Alexantioch	16.2	X	93.94484	117.52022	350.61196	7.56642	0.0695029	0.22063643	2.7123844	21	3 27.5	19.6
218867 2006 XB_{21}	17.0	X	334.62492	187.72729	272.25438	0.98841	0.1566858	0.26619358	2.3933397	21	—	—
218868 2006 XH_{31}	15.6	X	350.73972	300.87478	253.74113	11.50077	0.1425003	0.21372203	2.7705746	21	2 6.3	19.1
218869 2006 XO_{53}	17.1	X	70.17647	300.96696	101.77278	2.70694	0.1231796	0.27614015	2.3355169	21	—	—
218870 2006 XS_{53}	16.5	X	111.35489	34.04633	248.26071	3.78719	0.0671278	0.26753331	2.3853429	21	12 11.7	19.9
218871 2006 YL_{1}	16.1	X	267.72399	39.52389	12.87808	4.17672	0.1159815	0.24669251	2.5178629	21	8 9.4	19.3
218872 2006 YX_{14}	16.5	X	298.43406	41.33673	281.26538	4.20931	0.0984106	0.23344615	2.6122309	21	5 19.6	19.8
218873 2006 YS_{16}	15.6	X	330.18413	356.24621	299.53776	14.18974	0.1102343	0.23333728	2.6130434	21	5 29.1	18.9
218874 2006 YW_{37}	16.7	X	28.48171	33.27687	347.00940	4.46154	0.1573471	0.26201207	2.4187363	21	—	—
218875 2006 YU_{46}	16.4	X	60.53762	229.11285	233.41030	4.35165	0.0792825	0.21327107	2.7744789	21	2 2.9	19.9
218876 2007 AH_{8}	17.1	X	332.07714	222.69491	192.14968	1.71616	0.1827816	0.25843459	2.4410066	21	12 3.9	18.9
218877 2007 AC_{27}	16.7	X	112.95509	80.14177	259.76105	7.24261	0.1286986	0.27555791	2.3388056	21	—	—
218878 2007 BK_{4}	16.8	X	1.20381	35.62891	359.91384	4.15287	0.2127804	0.26072013	2.4267200	21	—	—
218879 2007 BH_{5}	16.2	X	299.43540	277.98585	147.07974	6.35406	0.1157639	0.25336215	2.4734790	21	10 18.1	18.8
218880 2007 BO_{22}	15.7	X	301.71476	195.69961	109.12296	13.96893	0.1444952	0.22850239	2.6497743	21	4 30.5	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218881 2007 BN_{55}	16.7	X	27.66014	11.97732	357.89551	3.58377	0.1894346	0.26044325	2.4284396	21	—	—
218882 2007 BT_{57}	16.1	X	220.64359	204.77871	151.91269	6.80616	0.0682853	0.22363967	2.6880467	21	4 6.3	20.0
218883 2007 BM_{77}	16.5	X	279.31424	152.27742	266.09605	2.69227	0.1165965	0.24647505	2.5193436	21	8 31.4	19.6
218884 2007 CO_{7}	15.9	X	225.17841	221.74488	115.08826	15.82634	0.1328270	0.22197142	2.7014982	21	3 18.9	20.4
218885 2007 CT_{10}	16.9	X	315.74403	113.37770	321.56409	1.51515	0.1486584	0.25631107	2.4544704	21	11 27.6	19.1
218886 2007 CR_{21}	16.6	X	213.18149	316.16298	166.62915	8.07455	0.0696156	0.24320541	2.5418733	21	9 9.1	20.1
218887 2007 CY_{22}	15.9	X	81.52862	164.25636	305.87380	5.36366	0.0555427	0.21617940	2.7495387	21	3 10.9	19.5
218888 2007 CV_{40}	15.9	X	159.36533	10.30825	322.71517	14.02458	0.0711372	0.20330558	2.8644188	21	1 4.2	20.2
218889 2007 CU_{41}	14.9	X	54.45079	324.68489	326.78609	19.35057	0.1543761	0.17247255	3.1963628	21	10 4.2	19.6
218890 2007 CT_{63}	15.4	X	155.54323	28.82566	160.60111	10.00032	0.1569519	0.17381581	3.1798736	21	9 26.5	20.6
218891 2007 DY_{11}	16.4	X	336.06741	26.26761	22.49730	6.43856	0.1126136	0.25509558	2.4622611	21	11 26.3	18.9
218892 2007 DZ_{24}	15.6	X	119.35960	139.50478	162.02542	3.79076	0.1707869	0.18471629	3.0535093	21	—	—
218893 2007 DX_{35}	15.7	X	75.78856	317.98007	344.30549	3.10205	0.1256134	0.17551873	3.1592724	21	11 17.2	20.3
218894 2007 DO_{60}	17.2	X	299.84273	225.72738	224.79665	1.38258	0.1738721	0.25395733	2.4696129	21	11 16.1	19.3
218895 2007 DM_{68}	15.2	X	54.41784	168.31396	135.37533	3.42440	0.0977365	0.17323756	3.1869457	21	10 22.9	19.7
218896 2007 DX_{70}	15.8	X	146.35989	80.52465	353.36632	12.85271	0.0487099	0.21740257	2.7392159	21	4 12.9	19.8
218897 2007 DT_{81}	16.2	X	18.60755	2.61751	172.31660	5.17035	0.0867140	0.21185671	2.7868135	21	3 7.4	19.3
218898 2007 DU_{102}	16.9	X	140.80717	147.97807	28.22130	20.72737	0.0705635	0.37290895	1.9116168	21	9 17.0	19.4
218899 2007 EO_{1}	16.2	X	124.65114	173.77137	160.37181	8.10207	0.1074935	0.19557613	2.9394008	21	—	—
218900 Gabybuchholz	16.4	X	117.85034	329.61983	169.57017	15.44407	0.0712856	0.22498279	2.6773379	21	6 11.1	20.5
218901 Gerdbuchholz	15.9	X	200.26597	272.60091	293.93199	2.11575	0.1102931	0.18299534	3.0726237	21	11 27.0	20.6
218902 2007 EW_{12}	15.0	X	141.11980	100.81379	167.50580	16.95507	0.0703240	0.18114831	3.0934744	21	12 13.3	20.0
218903 2007 EJ_{16}	14.7	X	158.75580	208.90367	4.80537	14.99365	0.1743315	0.17496221	3.1659682	21	10 22.3	20.1
218904 2007 EV_{36}	14.8	X	166.35664	41.41005	186.25175	9.99256	0.0442778	0.17858119	3.1230498	21	11 21.8	19.5
218905 2007 EV_{51}	16.3	X	120.93704	251.10292	218.99281	4.31434	0.0842695	0.21995995	2.7179428	21	5 7.9	19.9
218906 2007 ES_{122}	16.2	X	183.85565	287.53598	64.94970	2.56977	0.1040765	0.20907743	2.8114560	21	2 22.7	20.5
218907 2007 EW_{126}	17.2	X	39.70710	249.24526	159.94184	2.45753	0.2097821	0.26768060	2.3844678	21	—	—
218908 2007 ET_{161}	16.0	X	111.01629	129.16248	155.62070	11.86272	0.1262675	0.18418054	3.0594279	21	12 6.4	21.0
218909 2007 EJ_{218}	15.8	X	75.57446	227.42424	168.51424	9.65979	0.0424498	0.19780021	2.9173255	21	—	—
218910 2007 EV_{218}	16.4	X	45.38688	172.12207	190.80224	3.38697	0.0484763	0.18126300	3.0921693	21	12 15.6	20.7
218911 2007 FQ_{24}	15.8	X	45.41710	163.94800	169.98600	10.29871	0.1299449	0.17747689	3.1359912	21	11 23.2	20.2
218912 2007 GJ_{30}	17.5	X	135.71433	41.49207	205.79940	6.71500	0.1468727	0.30926207	2.1656334	21	12 1.6	20.8
218913 2007 HN_{53}	16.4	X	20.51680	148.16961	164.87486	5.70195	0.1225698	0.22609697	2.6685349	21	9 26.3	19.3
218914 Tangauchin	15.4	X	110.30956	150.38699	102.34741	12.44333	0.0929773	0.23151003	2.6267748	21	11 4.6	19.5
218915 2007 PL_{27}	16.5	X	335.22687	28.99597	315.74250	8.59460	0.1883800	0.28312166	2.2969629	21	8 19.4	18.0
218916 2007 SD_{12}	16.6	X	76.17852	92.98144	348.41163	20.20653	0.1019212	0.37302965	1.9112045	21	—	—
218917 2007 TJ_{68}	15.6	X	353.61043	42.40558	17.35456	17.29989	0.2311702	0.21561551	2.7543305	21	—	—
218918 2007 TV_{138}	15.2	X	216.17262	43.60888	324.53253	16.51841	0.1206235	0.18483241	3.0522303	21	4 6.5	20.3
218919 2007 TB_{218}	16.1	X	50.63498	89.48414	37.99952	13.92970	0.1001220	0.23980013	2.5658806	21	2 26.1	19.3
218920 2007 TB_{240}	15.7	X	149.97412	357.90755	64.07319	3.26160	0.0718612	0.18033562	3.1027614	21	4 13.4	20.3
218921 2007 TR_{357}	15.6	X	212.25506	359.10892	293.78574	14.25252	0.1152699	0.24055602	2.5605027	21	1 4.8	19.6
218922 2007 TA_{361}	15.9	X	217.98082	287.02350	185.82866	9.91375	0.2176377	0.19438077	2.9514392	21	8 14.9	20.9
218923 2007 UE_{1}	15.5	X	65.12656	306.43960	202.11455	15.43420	0.2663799	0.17446516	3.1719786	21	5 16.9	19.6
218924 2007 UF_{104}	16.5	X	301.04236	0.83666	112.35438	3.14396	0.0335153	0.21433602	2.7652810	21	12 20.9	20.2
218925 2007 VV_{92}	15.6	X	149.04308	144.57936	309.95293	9.35628	0.0617170	0.18458310	3.0549781	21	5 18.2	20.2
218926 2007 VA_{242}	16.4	X	140.78554	205.09958	144.19693	8.49809	0.2258848	0.23653045	2.5894727	21	1 12.6	20.3
218927 2007 YL_{16}	16.0	X	75.20923	188.43433	75.77379	3.31441	0.0734798	0.19751788	2.9201048	21	9 29.5	20.1
218928 2008 AJ_{114}	16.9	X	243.42203	149.49933	143.84803	8.60574	0.1421842	0.29902163	2.2147989	21	1 24.4	20.3
218929 2008 BP_{15}	16.3	X	71.50524	70.61960	146.42243	6.33790	0.0846400	0.25065216	2.4912755	21	7 26.0	19.3
218930 2008 BW_{21}	17.5	X	305.75679	279.51116	337.19264	2.03195	0.0552742	0.30296608	2.1955334	21	2 25.7	19.7
218931 2008 BL_{41}	17.3	X	245.05777	252.33159	329.77498	2.19716	0.1067754	0.28535865	2.2849429	21	—	—
218932 2008 CW_{1}	15.9	X	74.42719	323.94003	305.78547	9.17866	0.2114777	0.25813388	2.4429020	21	10 24.8	19.6
218933 2008 CY_{16}	17.2	X	94.87672	137.30753	141.10469	1.88491	0.1550497	0.26182932	2.4198616	21	11 25.0	20.7
218934 2008 CL_{25}	17.5	X	283.51250	267.63213	355.19990	5.48839	0.1320170	0.29742262	2.2227301	21	1 29.5	20.5
218935 2008 CG_{66}	17.0	X	110.30890	230.55896	47.25385	1.75008	0.1656789	0.26675362	2.3899886	21	12 9.7	20.8
218936 2008 CK_{77}	16.4	X	113.94817	152.17925	86.56700	5.44312	0.1229437	0.26038247	2.4288175	21	10 24.6	20.0
218937 2008 CU_{119}	16.2	X	39.51894	352.58820	212.94134	8.93760	0.1141965	0.23844604	2.5755855	21	5 24.2	19.0
218938 2008 CN_{143}	16.6	X	229.95900	157.19635	176.20574	10.81240	0.0317321	0.22341991	2.6898092	21	3 18.3	20.2
218939 2008 CO_{143}	15.9	X	244.89755	255.47264	21.97578	7.67484	0.1927145	0.21083381	2.7958200	21	1 20.2	20.6
218940 2008 CH_{156}	17.0	X	90.16889	235.59700	51.77535	2.45669	0.2046343	0.26128595	2.4232154	21	12 4.8	20.7
218941 2008 CV_{164}	17.3	X	280.56219	281.93906	332.48845	4.04749	0.1208349	0.29636384	2.2280208	21	1 15.6	20.5
218942 2008 CK_{165}	16.4	X	127.32820	342.27479	279.59756	4.24277	0.1211144	0.26494244	2.4008684	21	12 4.2	19.9
218943 2008 DP_{13}	17.4	X	239.31357	133.62042	162.50553	5.00223	0.1500468	0.29764660	2.2216148	21	1 23.8	20.8
218944 2008 DG_{20}	16.8	X	92.95400	194.05971	99.99922	3.14320	0.2067130	0.26450988	2.4034852	21	12 16.2	20.6
218945 2008 DK_{23}	16.5	X	133.54443	275.76543	356.92063	5.95381	0.1584626	0.26925653	2.3751546	21	12 24.8	20.3
218946 2008 DD_{30}	16.9	X	165.52270	135.68964	133.07477	2.89758	0.1949110	0.27313074	2.3526410	21	—	—
218947 2008 DN_{33}	16.1	X	109.03360	291.97676	338.29328	22.77100	0.2064218	0.26346474	2.4098373	21	11 25.2	20.6
218948 2008 DY_{39}	16.4	X	340.11374	243.90711	333.37938	1.19085	0.1492446	0.22390113	2.6859537	21	2 21.6	19.6
218949 2008 DF_{40}	16.4	X	316.07542	70.42976	185.10211	2.14534	0.1512464	0.22368850	2.6876555	21	3 8.3	19.7
218950 2008 DW_{68}	16.4	X	198.50146	170.94890	116.34110	3.32541	0.1895783	0.20393972	2.8584779	21	—	—
218951 2008 DJ_{72}	16.6	X	91.63229	310.35679	331.27252	6.17238	0.1115015	0.26357791	2.4091474	21	11 19.8	20.2
218952 2008 DO_{79}	16.2	X	148.02522	145.05154	74.90129	12.56583	0.0831752	0.26427137	2.4049311	21	11 6.0	19.7
218953 2008 DN_{84}	16.5	X	106.99776	304.38281	2.05278	4.32006	0.1890554	0.26777979	2.3838789	21	—	—
218954 2008 EM_{11}	16.3	X	292.67365	197.82946	66.89790	5.76785	0.1221142	0.22389408	2.6860101	21	2 25.9	20.1
218955 2008 ES_{21}	16.3	X	271.64569	88.06111	174.35250	4.86176	0.1190671	0.21583096	2.7524972	21	1 28.7	20.4
218956 2008 EV_{22}	16.8	X	133.89421	308.25575	339.91258	1.01174	0.1772604	0.27088911	2.3656020	21	—	—
218957 2008 EE_{40}	17.4	X	23.90984	259.22668	314.76587	5.50092	0.0501856	0.30747581	2.1740127	21	4 24.3	19.7
218958 2008 EE_{43}	16.1	X	331.73225	53.18697	166.44281	5.15535	0.0998445	0.22027393	2.7153594	21	2 19.4	19.5
218959 2008 EQ_{68}	14.9	X	15.13106	205.76627	157.01953	28.95532	0.1807688	0.17429585	3.1740324	21	11 26.2	19.4
218960 2008 EQ_{83}	16.1	X	326.46757	333.91877	297.27060	8.15314	0.1613097	0.23330008	2.6133212	21	4 6.4	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218961 2008 EM_{109}	16.6	X	97.99544	88.17212	168.44442	6.30300	0.0837353	0.25997448	2.4313580	21	10 26.0	19.9
218962 2008 ED_{146}	16.0	X	267.93675	120.50162	169.54562	14.73021	0.1229553	0.22069053	2.7119411	21	2 26.3	20.0
218963 2008 EQ_{146}	16.4	X	347.23754	223.07022	150.78136	7.00785	0.1169985	0.25576569	2.4579584	21	10 31.7	19.0
218964 2008 FP_{22}	16.9	X	50.18404	283.11906	161.61661	7.03387	0.0737687	0.28613522	2.2808068	21	—	—
218965 2008 FV_{22}	15.7	X	101.08686	243.17028	61.21224	7.04180	0.2686163	0.18496872	3.0507305	21	12 27.6	21.0
218966 2008 FV_{26}	16.5	X	136.99329	304.21586	207.33598	3.61932	0.0483866	0.24027448	2.5625024	21	7 16.8	20.0
218967 2008 FB_{28}	15.9	X	197.64983	104.54291	160.83757	9.05891	0.0545673	0.19812248	2.9141610	21	—	—
218968 2008 FS_{29}	16.9	X	92.86582	309.47684	346.06918	2.09738	0.1835192	0.26469879	2.4023415	21	12 16.2	20.6
218969 2008 FH_{33}	17.0	X	236.47205	160.53262	173.75128	6.61731	0.2237041	0.30206524	2.1998963	21	3 8.1	20.4
218970 2008 FM_{38}	15.7	X	171.31388	111.91402	173.89982	10.39855	0.1151172	0.19893761	2.9061952	21	—	—
218971 2008 FG_{42}	16.3	X	14.21032	2.76932	336.53700	1.90335	0.2185182	0.25609085	2.4558774	21	11 10.2	18.7
218972 2008 FH_{52}	15.8	X	93.41587	124.57577	185.60480	14.16514	0.3132602	0.18444817	3.0564677	21	12 30.3	21.4
218973 2008 FW_{57}	16.1	X	232.88467	138.44980	167.54409	4.27627	0.0852378	0.21412638	2.7670857	21	2 13.4	20.4
218974 2008 FF_{60}	16.6	X	175.12730	68.84024	170.42542	11.75219	0.1253147	0.26653627	2.3912878	21	12 23.8	20.3
218975 2008 FX_{85}	17.0	X	34.08661	181.72764	145.24277	3.15208	0.2030909	0.25669726	2.4520081	21	11 23.8	19.9
218976 2008 FT_{101}	16.2	X	223.73594	161.27309	146.28473	6.26902	0.0497901	0.21356505	2.7719322	21	2 7.2	20.1
218977 2008 FD_{117}	17.2	X	213.97769	149.31803	41.49339	1.96132	0.1226665	0.26471256	2.4022582	21	12 4.3	20.3
218978 2008 FQ_{117}	15.8	X	183.49418	64.61893	210.07674	1.35200	0.0464654	0.19888069	2.9067497	21	—	—
218979 2008 FT_{123}	16.8	X	286.85530	193.58691	153.47988	5.75626	0.1422651	0.23247397	2.6195086	21	6 1.1	20.3
218980 2008 FY_{124}	15.7	X	283.76313	189.12686	101.92890	15.43661	0.0758188	0.22367314	2.6877786	21	4 1.4	19.7
218981 2008 FW_{126}	15.9	X	140.03124	231.02077	108.68508	6.90770	0.1350624	0.19916007	2.9040307	21	—	—
218982 2008 GM_{60}	15.9	X	280.86576	194.51020	94.74642	6.39433	0.1346846	0.22116366	2.7080720	21	3 14.2	19.9
218983 2008 GV_{69}	15.5	X	93.36943	135.97051	169.25707	10.88471	0.0804652	0.18328818	3.0693499	21	12 7.9	20.2
218984 2008 GS_{72}	16.7	X	40.88700	160.70856	186.05390	6.27979	0.1341095	0.26189507	2.4194566	21	12 18.8	19.9
218985 2008 GU_{104}	16.5	X	274.95614	231.09397	98.85141	4.77912	0.1553577	0.22825649	2.6516770	21	4 23.8	20.4
218986 2008 GN_{112}	15.3	X	119.06823	99.22800	132.04421	12.36731	0.0415147	0.18153985	3.0890248	21	10 7.9	19.9
218987 Heidenhain	16.1	X	119.22425	115.77185	202.61629	4.27544	0.0642318	0.19543992	2.9407665	21	—	—
218988 2008 HH_{9}	15.2	X	60.61945	200.22235	121.95664	12.11060	0.0604728	0.18183475	3.0856841	21	11 20.4	19.7
218989 2008 HT_{11}	15.4	X	130.49914	28.28353	195.71659	9.00159	0.1235566	0.17917530	3.1161423	21	10 12.4	20.4
218990 2008 HL_{13}	16.6	X	23.35030	154.77178	198.93986	4.79817	0.1267537	0.25843135	2.4410270	21	12 2.4	19.4
218991 2008 HB_{17}	16.2	X	82.31019	43.37164	176.80696	11.73796	0.0675142	0.23882065	2.5728914	21	8 9.7	19.8
218992 2008 HJ_{17}	16.3	X	13.86680	359.48587	224.22103	2.65290	0.0656708	0.23017737	2.6369039	21	5 3.7	19.4
218993 2008 HO_{28}	16.8	X	19.19240	351.52110	245.47001	3.82968	0.1193255	0.23293477	2.6160528	21	6 2.5	19.5
218994 2008 HY_{29}	16.1	X	221.39466	225.03726	131.70820	8.21284	0.1308255	0.21956359	2.7212128	21	4 6.3	20.5
218995 2008 HW_{38}	16.8	X	213.96647	84.01705	209.75383	3.49982	0.1818756	0.21162638	2.7888352	21	1 11.4	21.5
218996 2008 HN_{44}	16.3	X	149.46311	153.09323	187.72249	5.49044	0.0674148	0.20259157	2.8711450	21	—	—
218997 2008 HC_{60}	15.1	X	91.57000	82.01358	177.94823	13.70377	0.1277873	0.17451839	3.1713335	21	10 17.9	19.9
218998 Navi	16.5	X	102.44017	23.90018	185.24527	8.83801	0.1224857	0.24168403	2.5525294	21	8 28.6	20.2
218999 2008 JQ_{9}	16.1	X	259.74807	44.74137	216.14027	5.79564	0.0604960	0.20964167	2.8064090	21	1 20.1	20.2
219000 2008 JW_{17}	15.4	X	41.50241	128.95658	168.47941	12.78908	0.0950493	0.17026438	3.2239392	21	9 27.1	19.6
219001 2008 JX_{20}	15.4	X	38.19365	112.60478	198.52081	6.85724	0.2337411	0.24201038	2.5502341	21	11 10.6	18.6
219002 2008 JE_{39}	16.0	X	109.38478	177.01480	149.25556	10.18971	0.0498409	0.18965999	3.0002141	21	—	—
219003 2008 KR_{11}	15.6	X	310.59387	184.67708	84.40909	11.73190	0.1001551	0.21864223	2.7288522	21	4 3.2	19.4
219004 2008 SR_{50}	15.6	X	43.73421	291.49192	188.09309	5.08043	0.0944861	0.18596090	3.0398696	21	2 6.9	19.3
219005 2008 TM_{81}	15.5	X	268.46847	179.90142	25.72885	4.61892	0.1272971	0.17655687	3.1468760	21	—	—
219006 2008 TD_{111}	16.2	X	348.54641	208.61039	210.16351	13.32232	0.1557942	0.23492385	2.6012653	21	12 30.5	19.3
219007 2008 YX	16.0	X	323.10133	292.20749	96.61458	13.02243	0.3674210	0.22369181	2.6876291	21	9 6.5	18.0
219008 2008 YY_{8}	15.4	X	52.41281	31.34056	87.20849	10.92993	0.1034252	0.17463768	3.1698892	21	2 27.9	19.6
219009 2009 HP_{72}	16.6	X	28.21568	188.96001	76.97276	7.52112	0.1257236	0.25838216	2.4413368	21	8 6.5	19.2
219010 2009 MJ_{8}	17.1	X	263.86246	166.57900	137.43855	2.50645	0.3581637	0.22494501	2.6776377	21	2 21.4	22.0
219011 2734 P–L	16.1	X	37.65015	260.27700	105.77510	2.14258	0.2058889	0.17977146	3.1092494	21	12 31.3	20.4
219012 4762 P–L	14.9	X	64.63397	178.89770	169.24064	9.89996	0.0889254	0.18076888	3.0978017	21	12 25.9	19.5
219013 6253 P–L	16.4	X	257.37866	118.48091	198.55552	4.82980	0.1095105	0.22080488	2.7110047	21	3 22.0	20.4
219014 6768 P–L	17.4	X	127.40122	310.88662	52.42982	2.78020	0.2288508	0.28144501	2.3060764	21	1 7.4	20.0
219015 1531 T–2	18.0	X	210.13385	117.68056	224.66716	1.22947	0.2005218	0.30009137	2.2095324	21	2 24.4	21.6
219016 3191 T–2	16.8	X	93.52202	191.67627	165.77707	9.63611	0.2400913	0.27338376	2.3511892	21	—	—
219017 3156 T–3	16.8	X	316.15183	286.96416	48.20024	4.37962	0.2294967	0.24346466	2.5400685	21	6 13.1	19.5
219018 4219 T–3	17.1	X	134.59588	207.73150	115.30425	3.13081	0.1866492	0.27631065	2.3345560	21	—	—
219019 1981 EP_{8}	15.9	X	350.93391	252.65129	332.59628	10.93600	0.2169107	0.22172909	2.7034661	21	3 11.4	18.7
219020 1981 EH_{32}	15.1	X	200.24589	10.81603	226.25323	10.89958	0.0786042	0.18815569	3.0161838	21	—	—
219021 1991 LH	16.9	X	117.67512	203.80437	281.04861	53.14757	0.7331631	0.62375776	1.3566216	21	7 8.0	19.4
219022 1993 FP_{75}	16.2	X	74.21911	280.00321	211.01243	6.99154	0.1723167	0.21222717	2.7835694	21	4 16.8	19.4
219023 1993 RP_{14}	15.8	X	62.29711	2.12374	3.85770	8.99089	0.2335883	0.18286302	3.0741057	21	—	—
219024 1993 TK_{20}	15.3	X	45.65164	338.28261	30.03233	13.65497	0.1797568	0.18092917	3.0959717	21	—	—
219025 1993 TV_{30}	15.6	X	7.62293	237.52452	191.25483	18.44223	0.2032896	0.18146949	3.0898232	21	—	—
219026 1994 GA_{2}	16.1	X	231.02146	196.43583	135.64839	3.64285	0.0715417	0.21784347	2.7355187	21	3 17.4	20.0
219027 1994 GD_{11}	16.5	X	197.67086	40.27287	18.36325	3.98691	0.0909451	0.22357618	2.6885556	21	5 26.8	20.5
219028 1994 KE	17.5	X	243.09625	344.56867	224.95934	4.15692	0.1730978	0.27748274	2.3279773	21	—	—
219029 1994 RT_{4}	17.1	X	38.27791	302.75589	93.72397	2.28649	0.1941743	0.26360650	2.4089732	21	—	—
219030 1994 TR_{14}	16.3	X	35.87063	89.18232	6.86937	12.11934	0.1603217	0.23165081	2.6257104	21	—	—
219031 1994 WZ_{6}	15.8	X	36.36365	294.61363	127.66094	7.02830	0.1910699	0.18914474	3.0056601	21	—	—
219032 1995 EM_{3}	17.8	X	342.43620	329.49523	290.55269	2.01055	0.1064168	0.30794004	2.1718272	21	4 19.4	19.7
219033 1995 FQ_{1}	15.2	X	39.30710	5.03260	26.92270	5.70764	0.1322212	0.17807320	3.1289864	21	—	—
219034 1995 FZ_{1}	16.0	X	243.43174	63.60355	126.11480	2.88755	0.1256559	0.17731201	3.1379351	21	12 20.8	20.6
219035 1995 FA_{14}	16.5	X	347.11876	277.68374	108.51694	0.83811	0.1767613	0.24485021	2.5304770	21	11 18.1	18.7
219036 1995 GM_{6}	16.0	X	297.39111	46.58643	62.54911	4.89603	0.1581198	0.17531781	3.1616857	21	11 20.1	19.9
219037 1995 OU_{8}	16.3	X	186.28811	250.12053	171.67100	9.36524	0.0395560	0.22100114	2.7093994	21	5 21.2	20.3
219038 1995 SK	16.1	X	177.25315	350.52491	350.57264	23.87388	0.1812732	0.28486429	2.2875857	21	2 4.7	19.9
219039 1995 ST_{19}	17.2	X	43.12699	71.95046	14.11654	3.99528	0.1553438	0.27822017	2.3238619	21	—	—
219040 1995 ST_{34}	16.7	X	128.68082	328.11484	121.39483	0.83602	0.0362818	0.21441535	2.7645989	21	4 14.9	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219041 1995 SZ_{40}	16.4	X	220.71718	281.36231	15.27332	12.82446	0.2218465	0.20944423	2.8081725	21	1 24.7	21.5
219042 1995 SZ_{50}	16.1	X	210.74511	130.64299	210.73272	2.64873	0.1172171	0.21073299	2.7967117	21	3 5.3	20.6
219043 1995 SW_{62}	17.9	X	124.64610	157.28441	148.60254	2.94044	0.2349709	0.27670411	2.3323424	21	—	—
219044 1995 SW_{79}	16.3	X	62.89957	140.32254	347.58198	4.48627	0.1047290	0.21227875	2.7831185	21	3 16.1	19.7
219045 1995 UG_{11}	16.0	X	227.97233	144.87518	205.13502	5.35918	0.0950933	0.21401447	2.7680501	21	4 2.8	20.2
219046 1995 UL_{57}	17.5	X	80.71071	36.33661	346.45778	1.29171	0.2333969	0.27725379	2.3292587	21	—	—
219047 1995 UO_{57}	17.9	X	159.25528	80.44274	198.53682	6.22433	0.1802450	0.27727544	2.3291374	21	—	—
219048 1995 VO_{4}	17.4	X	119.06256	226.34659	162.78085	3.05789	0.2183824	0.28090616	2.3090245	21	1 28.8	20.0
219049 1995 VX_{10}	17.4	X	82.63230	297.60614	84.60349	3.72741	0.2300246	0.27652812	2.3333319	21	—	—
219050 1995 WB_{20}	16.9	X	138.18664	98.44465	185.46320	5.38557	0.1815121	0.27148585	2.3621343	21	—	—
219051 1995 WG_{26}	16.8	X	302.52696	254.03525	287.27830	3.83072	0.0750386	0.27607859	2.3358640	21	—	—
219052 1995 XW_{4}	15.7	X	130.05402	176.40300	206.83300	6.30325	0.1040783	0.20265733	2.8705240	21	1 31.8	19.9
219053 1996 BE_{8}	16.8	X	191.20353	249.01425	286.97055	6.23936	0.0796062	0.25796921	2.4439415	21	10 20.9	20.4
219054 1996 BR_{10}	15.3	X	244.75802	288.54017	272.57224	9.10716	0.0504214	0.18811800	3.0165867	21	—	—
219055 1996 BJ_{12}	15.3	X	201.54371	114.04244	104.90735	6.89918	0.0166650	0.18494421	3.0510001	21	12 22.6	19.5
219056 1996 EM_{15}	17.1	X	331.35557	104.35097	341.78306	3.22963	0.1068677	0.26274489	2.4142368	21	—	—
219057 1996 RA_{30}	12.5	X	357.48479	8.01553	12.53542	12.32555	0.0792836	0.08307948	5.2016391	21	10 19.9	19.1
219058 1996 TJ_{20}	17.3	X	172.41448	47.34092	4.88520	5.14523	0.1235490	0.30063948	2.2068461	21	4 16.5	20.2
219059 1996 TD_{34}	16.5	X	261.65149	10.25600	356.77808	1.32977	0.1400916	0.22620016	2.6677232	21	5 26.4	20.2
219060 1996 TL_{35}	16.3	X	182.62659	349.22288	120.31013	4.18061	0.0961479	0.22801663	2.6535363	21	7 16.4	20.1
219061 1996 TL_{53}	15.9	X	254.85752	57.71243	6.75596	5.67200	0.2065216	0.23201354	2.6229730	21	7 27.1	19.7
219062 1996 VC_{13}	16.6	X	228.91811	60.86231	47.82277	4.23119	0.1201429	0.23051384	2.6343373	21	9 4.7	20.4
219063 1996 XU_{29}	16.5	X	229.30567	30.44823	63.85954	5.74257	0.0990420	0.22864431	2.6486777	21	8 20.1	20.3
219064 1997 CP_{25}	16.9	X	192.92033	271.97779	27.57973	3.05272	0.1897199	0.28131145	2.3068062	21	—	—
219065 1997 EC_{20}	16.2	X	123.87522	199.10179	178.90531	2.12519	0.0686787	0.20101338	2.8861534	21	1 15.3	20.3
219066 1997 EQ_{44}	16.9	X	288.15073	227.66034	326.66422	5.23477	0.1709423	0.27840285	2.3228452	21	—	—
219067 Bossuet	16.8	X	244.97140	103.67583	118.55601	2.38160	0.1853960	0.27158197	2.3615769	21	—	—
219068 1997 TG_{9}	16.4	X	309.76464	96.55892	211.13154	12.42751	0.1686082	0.23651933	2.5895539	21	5 5.4	19.6
219069 1997 TW_{13}	16.6	X	259.38972	97.75466	357.66602	9.78717	0.0961343	0.24738799	2.5131417	21	9 27.2	19.7
219070 1997 TL_{20}	13.2	X	237.15021	308.96094	209.08453	1.04246	0.0420813	0.08218953	5.2391205	21	11 3.4	20.1
219071 1997 US_{9}	17.1	X	162.44189	357.37818	212.20593	20.01746	0.2820506	0.91237918	1.0528160	21	—	—
219072 1997 YW_{9}	15.7	X	298.40418	213.83103	237.08807	8.54612	0.2404216	0.24480591	2.5307822	21	10 31.9	18.0
219073 1997 YR_{15}	16.4	X	238.85081	40.24846	328.41464	1.41458	0.0915622	0.22704969	2.6610648	21	5 7.5	20.2
219074 1998 BQ_{31}	16.6	X	242.93018	54.02791	316.84490	5.33422	0.1379331	0.22615887	2.6680480	21	5 9.3	20.7
219075 1998 BR_{34}	16.5	X	211.55400	109.82837	348.71826	2.34340	0.1228387	0.23253746	2.6190318	21	8 1.6	20.5
219076 1998 DG_{23}	16.3	X	224.88963	136.50650	328.22917	5.85267	0.2159167	0.23381286	2.6094989	21	8 15.3	20.3
219077 1998 FC_{88}	15.4	X	247.61103	286.68662	155.70423	12.42053	0.2674183	0.23330771	2.6132642	21	8 1.8	19.7
219078 1998 GX	16.2	X	214.15079	355.41666	50.17505	3.85785	0.0336490	0.22323676	2.6912802	21	5 31.7	19.9
219079 1998 HE_{14}	16.0	X	76.56215	343.46157	177.92675	9.37933	0.0911009	0.21682449	2.7440824	21	5 20.7	19.7
219080 1998 KF_{5}	17.5	X	45.80110	263.13339	287.23829	2.48347	0.1491386	0.30097148	2.2052229	21	5 8.7	19.1
219081 1998 OT_{9}	16.6	X	114.13905	34.66677	313.60349	3.40889	0.2789299	0.27367838	2.3495015	21	—	—
219082 1998 QO_{47}	15.6	X	50.72668	217.65786	165.36427	6.10725	0.3229234	0.17964439	3.1107153	21	—	—
219083 1998 QU_{57}	16.0	X	303.65017	302.73758	175.12994	9.96449	0.0630652	0.18037923	3.1022612	21	12 20.7	20.3
219084 1998 QK_{59}	16.6	X	89.62686	295.36272	19.77006	1.50990	0.1940005	0.26690215	2.3891019	21	—	—
219085 1998 QT_{77}	14.8	X	18.06648	14.66114	325.69210	16.66992	0.2742278	0.17363967	3.1820237	21	11 1.3	18.8
219086 1998 QZ_{83}	14.7	X	72.95086	148.22157	231.46122	16.27080	0.1970667	0.18391136	3.0624124	21	—	—
219087 1998 QT_{86}	15.2	X	50.01950	193.38266	201.39610	14.19289	0.2770354	0.18140053	3.0906063	21	—	—
219088 1998 QV_{103}	14.5	X	44.53117	328.13193	5.74508	22.47914	0.0673375	0.17572982	3.1567419	21	11 2.1	19.1
219089 1998 QF_{110}	16.8	X	122.99899	287.38021	16.63586	5.35333	0.2363867	0.27150153	2.3620433	21	—	—
219090 1998 RA	15.2	X	139.35891	60.92076	240.04696	5.86561	0.1667089	0.18521074	3.0480723	21	—	—
219091 1998 RF_{3}	16.6	X	110.69025	109.00976	244.59670	11.40352	0.2129528	0.27308881	2.3528818	21	—	—
219092 1998 RN_{21}	16.0	X	311.81527	106.66877	14.56278	1.09736	0.1390667	0.18130937	3.0916421	21	—	—
219093 1998 RK_{74}	16.1	X	127.77230	131.87997	200.31580	6.84959	0.3254490	0.27296475	2.3535946	21	—	—
219094 1998 RN_{79}	14.7	X	45.98335	291.69884	37.65470	10.16921	0.0969567	0.17455776	3.1708567	21	11 10.2	19.1
219095 1998 SB	15.1	X	19.68977	199.74505	202.78183	29.25526	0.2331213	0.17596547	3.1539229	21	—	—
219096 1998 SE_{2}	15.8	X	148.92991	87.47844	231.38232	23.02003	0.2688838	0.27441747	2.3452810	21	—	—
219097 1998 SZ_{3}	17.1	X	39.71922	327.30582	29.19310	2.89791	0.2059285	0.26285117	2.4135860	21	—	—
219098 1998 SK_{5}	15.0	X	267.90043	326.01760	175.36390	19.43325	0.2004285	0.17890196	3.1193156	21	11 15.4	19.5
219099 1998 SP_{8}	17.3	X	25.69389	353.55524	49.87139	0.17000	0.1262652	0.26597488	2.3946514	21	—	—
219100 1998 SZ_{8}	15.0	X	59.29439	34.87068	13.44862	16.42565	0.1185935	0.18376799	3.0640051	21	—	—
219101 1998 SH_{24}	17.0	X	93.16314	237.04655	127.63600	3.13513	0.2290610	0.27125264	2.3634880	21	—	—
219102 1998 SQ_{26}	16.3	X	36.15363	231.44806	189.55443	11.96005	0.2111396	0.26828920	2.3808604	21	—	—
219103 1998 SF_{41}	16.1	X	98.75664	46.29133	266.56795	0.64139	0.0606190	0.17982363	3.1086480	21	12 18.8	20.7
219104 1998 SN_{41}	15.2	X	24.31553	60.19508	359.83398	13.45328	0.0664275	0.18236420	3.0797088	21	—	—
219105 1998 SE_{42}	15.9	X	147.67486	106.81234	176.23110	1.07947	0.1324785	0.18470193	3.0536676	21	—	—
219106 1998 SN_{46}	15.8	X	105.30773	91.18150	210.88623	1.98227	0.0942894	0.17695956	3.1421001	21	12 15.6	20.5
219107 1998 SH_{47}	16.0	X	53.25075	43.11231	9.69926	2.62454	0.0481565	0.18568568	3.0428726	21	—	—
219108 1998 SY_{47}	16.7	X	328.62983	282.41535	207.49473	4.52458	0.1858257	0.26641621	2.3920061	21	—	—
219109 1998 SQ_{67}	16.0	X	108.90429	339.09352	27.29429	13.73747	0.2910330	0.27201293	2.3590819	21	—	—
219110 1998 SV_{70}	16.8	X	29.05210	17.63911	33.20141	5.05922	0.1446257	0.26626598	2.3929057	21	—	—
219111 1998 SP_{73}	14.8	X	105.91973	302.65812	27.07443	17.68239	0.2273491	0.18160537	3.0882818	21	—	—
219112 1998 SW_{77}	16.2	X	26.53499	257.82682	178.27708	8.34102	0.1680562	0.26805636	2.3822388	21	—	—
219113 1998 SF_{85}	15.3	X	19.56260	355.78768	17.01995	11.61037	0.1582925	0.17597851	3.1537671	21	12 4.7	19.4
219114 1998 SM_{86}	17.3	X	94.29310	7.46274	338.84362	1.87233	0.2251410	0.26966489	2.3727562	21	—	—
219115 1998 SU_{102}	15.5	X	24.16283	13.36582	23.21945	5.72595	0.1338549	0.17847525	3.1242855	21	—	—
219116 1998 SA_{105}	15.6	X	54.71673	304.56122	48.43878	5.52224	0.2361750	0.17816270	3.1279384	21	—	—
219117 1998 SB_{111}	14.9	X	40.77155	182.55702	199.69910	10.39214	0.1797386	0.17838913	3.1252910	21	—	—
219118 1998 SB_{112}	14.9	X	69.66519	3.19036	25.50297	10.85324	0.1272778	0.18308033	3.0716726	21	—	—
219119 1998 SO_{120}	15.6	X	32.17794	179.98266	196.62553	4.96073	0.1606171	0.17703360	3.1412240	21	12 29.5	19.8
219120 1998 SR_{120}	16.7	X	39.06693	352.03501	40.71093	3.83901	0.1913847	0.26621609	2.3932047	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219121 1998 SB_{155}	16.5	X	80.49046	353.77601	2.62687	7.66574	0.1745235	0.26811749	2.3818768	21	—	—
219122 1998 TR_{7}	15.6	X	46.73232	207.12710	195.76512	14.27562	0.1004531	0.18173069	3.0868619	21	—	—
219123 1998 TX_{15}	16.7	X	128.63749	323.61253	319.51885	1.93913	0.2165079	0.26569642	2.3963242	21	—	—
219124 1998 TS_{27}	15.6	X	13.67677	40.96268	14.27838	10.10090	0.0588649	0.18036811	3.1023887	21	—	—
219125 1998 US_{11}	12.9	X	357.86312	336.86641	64.65990	6.86254	0.0912947	0.08632964	5.0702507	21	11 15.8	19.2
219126 1998 UF_{16}	16.9	X	79.44284	339.14917	61.20856	2.22137	0.2286161	0.26962912	2.3729660	21	—	—
219127 1998 UQ_{19}	15.7	X	33.86489	35.42951	33.01672	18.95642	0.3328488	0.18118590	3.0930465	21	—	—
219128 1998 UW_{22}	15.4	X	20.03106	146.95312	232.62918	23.16997	0.2643025	0.26156400	2.4214978	21	—	—
219129 1998 UK_{31}	16.9	X	63.93906	157.82164	219.08034	2.55919	0.2318701	0.26771452	2.3842663	21	—	—
219130 1998 UH_{39}	15.0	X	12.61675	161.43573	211.19262	19.88865	0.1775724	0.17329680	3.1862195	21	11 28.3	19.0
219131 1998 UY_{41}	14.4	X	76.14598	302.30638	41.70704	16.75132	0.2928783	0.17911228	3.1168732	21	—	—
219132 1998 VP_{6}	16.6	X	44.89919	111.27652	293.00703	4.03798	0.2538746	0.26588654	2.3951818	21	—	—
219133 1998 VU_{25}	14.7	X	62.62949	167.75761	226.35090	16.03381	0.1205315	0.18056444	3.1001395	21	—	—
219134 1998 VG_{41}	15.6	X	307.99255	31.92804	82.57966	1.68101	0.1687973	0.17444838	3.1721820	21	12 13.1	19.0
219135 1998 VL_{42}	16.9	X	235.07385	159.30304	38.40083	3.11455	0.1184433	0.26438543	2.4042394	21	—	—
219136 1998 VC_{47}	17.0	X	252.21750	93.86762	53.47632	2.13337	0.1359391	0.25819715	2.4425029	21	11 22.8	19.7
219137 1998 WO_{8}	16.9	X	27.44514	314.64043	76.97821	3.28578	0.2059820	0.26072736	2.4266752	21	—	—
219138 1998 WW_{14}	14.5	X	82.56552	286.92883	64.39989	21.79307	0.2323225	0.17844992	3.1245812	21	—	—
219139 1998 WM_{24}	13.5	X	282.80875	79.54328	37.53777	3.64945	0.1473088	0.08404723	5.1616331	21	10 26.5	20.1
219140 1998 WO_{39}	13.2	X	315.34668	190.38751	229.31842	1.94772	0.0911041	0.08310750	5.2004698	21	10 9.2	19.8
219141 1998 XZ_{6}	12.7	X	309.35435	9.17820	71.20496	8.84119	0.0310806	0.08348004	5.1849865	21	11 1.8	19.5
219142 1998 XP_{14}	16.6	X	351.36856	340.72219	101.06778	4.77809	0.1755873	0.26201382	2.4187255	21	—	—
219143 1998 XC_{16}	16.0	X	83.86445	38.04533	77.83030	24.57195	0.2049626	0.27535265	2.3399678	21	4 23.2	19.2
219144 1998 XY_{19}	15.1	X	305.54873	349.09022	65.33755	6.54793	0.0365256	0.16742621	3.2602714	21	10 9.1	19.6
219145 1999 BY_{20}	15.3	X	96.24135	243.98428	299.19443	11.15080	0.1994546	0.23721744	2.5844709	21	7 28.5	19.0
219146 1999 FL_{33}	15.7	X	47.16150	33.55438	188.32196	11.02888	0.2056483	0.22954961	2.6417092	21	7 12.7	18.9
219147 1999 HD_{4}	16.1	X	270.74468	354.14834	36.67040	12.27004	0.0806151	0.23236105	2.6203572	21	7 21.2	19.8
219148 1999 JV_{23}	16.1	X	75.71947	174.77716	36.11684	9.85309	0.1836994	0.23068829	2.6330091	21	8 12.7	19.8
219149 1999 PZ_{2}	15.7	X	89.83055	163.41709	300.18705	6.69587	0.1382971	0.20985939	2.8044677	21	3 25.6	19.5
219150 1999 RX_{7}	16.6	X	205.08876	351.37578	7.96375	6.48900	0.1450007	0.29681713	2.2257518	21	3 14.6	19.9
219151 1999 RQ_{13}	15.8	X	140.22855	282.16866	103.24620	4.15452	0.2543573	0.20172375	2.8793736	21	3 5.8	20.5
219152 1999 RA_{41}	17.0	X	182.76230	44.54655	319.98165	26.24499	0.2280462	0.29627443	2.2284690	21	2 23.9	20.9
219153 1999 RK_{107}	17.0	X	202.72832	324.93621	15.02487	3.91700	0.1865303	0.29489500	2.2354130	21	2 17.3	20.4
219154 1999 RZ_{119}	16.7	X	235.99969	10.59373	336.85032	6.49407	0.1942570	0.30180120	2.2011792	21	3 23.9	20.2
219155 1999 RK_{144}	17.4	X	220.13335	138.38233	209.19105	6.35041	0.1615093	0.29890039	2.2153978	21	3 10.7	20.8
219156 1999 RO_{145}	16.8	X	227.43474	152.98130	197.99188	5.24011	0.2078635	0.30037535	2.2081396	21	3 21.7	20.3
219157 1999 RY_{188}	17.5	X	184.24620	346.00793	2.24237	4.78684	0.2308080	0.29395437	2.2401793	21	2 13.8	21.2
219158 1999 RK_{209}	14.8	X	76.04575	157.22352	239.04431	9.96373	0.0946890	0.19305266	2.9649601	21	—	—
219159 1999 RL_{220}	16.9	X	209.68697	15.62480	308.31864	6.50267	0.1423230	0.29492202	2.2352765	21	1 31.7	20.2
219160 1999 RA_{225}	16.7	X	234.95143	12.76811	321.22021	6.75077	0.1929990	0.29900015	2.2149050	21	3 6.3	20.3
219161 1999 RR_{226}	15.3	X	181.85305	106.20491	230.03291	7.38541	0.1666033	0.20246135	2.8723760	21	2 1.6	20.1
219162 1999 RZ_{232}	16.4	X	15.22371	196.02713	89.18270	2.92897	0.2002983	0.31364013	2.1454331	21	8 26.1	17.5
219163 1999 SF_{13}	16.9	X	185.76724	269.38199	85.58023	7.40042	0.2169115	0.29396209	2.2401400	21	2 24.4	20.6
219164 1999 TA_{14}	17.0	X	186.37857	118.26980	252.38088	4.48912	0.1690417	0.29418464	2.2390101	21	3 8.8	20.4
219165 1999 TV_{38}	16.0	X	42.95841	189.54918	227.48943	1.11005	0.2185064	0.19054765	2.9908891	21	—	—
219166 1999 TU_{42}	16.5	X	60.72714	191.28851	224.93573	1.32977	0.1076778	0.19476521	2.9475542	21	—	—
219167 1999 TH_{54}	17.0	X	167.10029	43.90412	5.43218	3.89235	0.1182737	0.29586265	2.2305362	21	4 7.4	19.9
219168 1999 TM_{58}	17.6	X	40.11965	6.14715	108.92524	2.19220	0.1051269	0.28524347	2.2855580	21	—	—
219169 1999 TJ_{59}	17.8	X	189.16127	18.19678	320.93342	2.38132	0.2047701	0.29381695	2.2408777	21	2 4.0	21.4
219170 1999 TA_{69}	16.1	X	132.19425	29.94786	320.58469	1.81870	0.0701066	0.19402536	2.9550424	21	—	—
219171 1999 TL_{76}	16.2	X	139.80677	110.06347	241.86349	0.88679	0.0827524	0.19409576	2.9543278	21	1 6.0	20.2
219172 1999 TU_{78}	17.5	X	110.08637	89.88289	29.36872	3.54662	0.0998448	0.29801173	2.2197998	21	5 1.7	20.0
219173 1999 TN_{120}	15.3	X	58.59980	179.69924	218.38354	7.69712	0.1108510	0.19083939	2.9878402	21	—	—
219174 1999 TJ_{129}	17.0	X	142.59616	69.65997	354.63357	6.81881	0.1469590	0.29574598	2.2311229	21	4 1.9	20.0
219175 1999 TP_{148}	17.0	X	164.65701	44.88065	353.14412	4.40796	0.1334692	0.29493069	2.2352327	21	3 21.9	20.1
219176 1999 TL_{165}	15.6	X	33.91322	143.80676	227.00331	8.32839	0.0777938	0.18539522	3.0460501	21	12 15.4	19.7
219177 1999 TO_{171}	17.1	X	166.30898	332.91505	25.22364	6.79874	0.2188082	0.29077634	2.2564723	21	2 11.4	20.6
219178 1999 TX_{175}	15.1	X	142.99739	104.63683	229.79117	8.89008	0.0788813	0.19273937	2.9681722	21	—	—
219179 1999 TL_{182}	16.6	X	87.84390	96.68131	330.95046	5.60314	0.0812670	0.28899822	2.2657185	21	1 12.5	18.9
219180 1999 TH_{187}	15.0	X	99.80859	134.48659	238.84987	10.78800	0.0406227	0.19257819	2.9698282	21	—	—
219181 1999 TM_{196}	16.9	X	184.10958	330.90278	20.15529	7.78179	0.1715423	0.29118375	2.2543670	21	2 15.9	20.4
219182 1999 TJ_{202}	15.4	X	128.46321	117.76269	238.12673	4.63630	0.1614669	0.19445491	2.9506890	21	1 7.4	19.6
219183 1999 TL_{207}	16.4	X	100.49663	82.35105	329.75524	21.68629	0.2316900	0.28755463	2.2732951	21	2 7.3	18.6
219184 1999 TX_{210}	14.9	X	4.57325	132.85281	337.44055	12.43462	0.2710502	0.18574221	3.0422553	21	—	—
219185 1999 TC_{212}	15.7	X	64.82919	83.68036	355.69613	4.55371	0.0986834	0.19501503	2.9450364	21	1 19.5	19.3
219186 1999 TH_{212}	17.3	X	188.74772	120.78461	228.30763	4.29562	0.1935695	0.29294813	2.2453062	21	2 13.6	20.9
219187 1999 TN_{218}	17.5	X	197.11508	159.52270	214.53604	2.06756	0.1692703	0.29614162	2.2291352	21	3 24.9	21.0
219188 1999 TM_{234}	15.6	X	35.88374	118.15022	237.71457	23.81462	0.2400845	0.27168822	2.3609611	21	—	—
219189 1999 TZ_{282}	17.2	X	177.76635	328.60371	54.95821	3.44366	0.1819235	0.29441296	2.2378524	21	3 21.9	20.6
219190 1999 TY_{300}	16.9	X	191.13450	332.63914	351.74949	5.49883	0.1631562	0.29084455	2.2561195	21	1 17.6	20.2
219191 1999 TL_{316}	16.7	X	139.83335	105.70756	220.54123	1.03465	0.2425642	0.19267692	2.9688135	21	—	—
219192 1999 UE_{7}	16.5	X	91.48152	56.96567	347.71616	22.94993	0.0547532	0.37438393	1.9065927	21	—	—
219193 1999 UO_{10}	15.9	X	77.43854	38.76511	13.56790	23.68091	0.1879506	0.28231747	2.3013228	21	—	—
219194 1999 UG_{27}	16.1	X	115.98327	340.87604	1.15141	11.93208	0.0765006	0.19364236	2.9589376	21	—	—
219195 1999 UT_{29}	17.4	X	165.64758	159.83819	196.21811	7.00633	0.1542628	0.29109444	2.2548281	21	1 28.0	20.6
219196 1999 UU_{34}	17.5	X	198.97432	282.42552	42.58627	3.97812	0.1715790	0.29119134	2.2543279	21	1 26.1	20.9
219197 1999 UM_{40}	15.9	X	46.64886	170.43177	262.34765	3.03731	0.2255245	0.19115290	2.9845724	21	—	—
219198 1999 UA_{44}	15.1	X	87.32788	126.97308	244.71087	8.18487	0.0668055	0.18979207	2.9988219	21	—	—
219199 1999 UE_{46}	17.3	X	190.66473	12.17999	5.59203	5.64141	0.1741139	0.29523468	2.2336981	21	3 24.5	20.8
219200 1999 VH_{3}	18.1	X	222.73813	142.88428	168.93094	1.95106	0.1813562	0.29134683	2.2535257	21	1 29.5	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219201 1999 VE_{6}	15.2	X	65.12519	337.26166	90.31546	5.78364	0.2604772	0.19116409	2.9844560	21	1 24.9	18.3
219202 1999 VZ_{10}	17.2	X	107.08799	297.47132	113.92149	3.43781	0.2178537	0.28666110	2.2780166	21	2 11.5	19.6
219203 1999 VA_{17}	16.2	X	64.14190	118.21403	287.63535	2.05913	0.0283720	0.19164654	2.9794452	21	—	—
219204 1999 VU_{30}	14.7	X	101.40944	291.52348	58.40905	11.47431	0.1747219	0.18791899	3.0187161	21	—	—
219205 1999 VO_{40}	16.5	X	290.83202	276.01876	27.80288	5.84197	0.1582434	0.29977393	2.2110920	21	3 30.1	19.2
219206 1999 VM_{42}	17.0	X	168.14878	306.82077	21.51513	6.76023	0.1399427	0.28738908	2.2741680	21	—	—
219207 1999 VO_{49}	15.0	X	92.72038	286.46026	29.75378	9.28252	0.1380235	0.18436624	3.0573732	21	12 24.2	19.8
219208 1999 VE_{51}	16.4	X	78.58037	60.20290	6.40325	8.97409	0.0860484	0.28506278	2.2865237	21	—	—
219209 1999 VT_{59}	15.6	X	38.97463	193.45320	219.51431	8.85270	0.0840369	0.18831392	3.0144941	21	—	—
219210 1999 VA_{63}	15.2	X	110.78936	148.68368	220.54937	9.72746	0.1025827	0.19223047	2.9734084	21	—	—
219211 1999 VS_{74}	15.4	X	250.72219	188.41330	33.75759	12.72114	0.0242768	0.19354117	2.9599689	21	—	—
219212 1999 VD_{76}	17.4	X	266.48846	7.31969	195.99916	2.29484	0.0913994	0.27960345	2.3161910	21	—	—
219213 1999 VY_{88}	15.8	X	90.19497	189.66073	46.53913	8.01522	0.0317649	0.21763529	2.7372628	21	9 10.6	19.6
219214 1999 VK_{91}	16.1	X	138.02573	204.83503	204.34703	5.49849	0.2423096	0.20096224	2.8866430	21	3 28.5	20.7
219215 1999 VJ_{101}	16.0	X	102.77981	312.75548	76.67843	2.23452	0.1186886	0.19291583	2.9663619	21	1 12.5	20.0
219216 1999 VZ_{103}	15.2	X	119.72800	236.14319	58.33464	6.87916	0.1589798	0.18425682	3.0585835	21	12 25.3	20.2
219217 1999 VE_{108}	15.1	X	62.02711	300.80867	60.72880	10.76585	0.1361024	0.18390914	3.0624371	21	—	—
219218 1999 VP_{108}	15.8	X	88.93330	112.35340	228.05912	3.57717	0.1895577	0.18545088	3.0454405	21	—	—
219219 1999 VB_{119}	15.9	X	96.26009	337.55865	14.41461	8.77192	0.0933733	0.18969228	2.9998735	21	—	—
219220 1999 VE_{123}	15.9	X	87.08601	304.65768	82.62053	3.01858	0.1023535	0.19042589	2.9921640	21	—	—
219221 1999 VF_{123}	16.2	X	13.35238	268.75628	195.17297	2.33474	0.3209082	0.18848720	3.0126463	21	—	—
219222 1999 VY_{133}	16.1	X	89.27444	85.51140	335.42403	1.02416	0.0919276	0.19515897	2.9435881	21	1 29.3	19.9
219223 1999 VS_{137}	15.9	X	57.96680	330.20255	40.46732	3.09385	0.0886952	0.18424521	3.0587120	21	—	—
219224 1999 VW_{137}	15.4	X	46.23928	344.43769	62.58455	9.96957	0.1464214	0.18617805	3.0375054	21	—	—
219225 1999 VT_{141}	16.0	X	38.60780	50.40845	16.38768	1.77561	0.0609302	0.18939764	3.0029839	21	—	—
219226 1999 VN_{143}	17.4	X	160.24319	292.34311	44.74733	5.53180	0.1681661	0.28579341	2.2826251	21	1 2.7	20.6
219227 1999 VH_{149}	17.4	X	182.59691	276.97294	89.23287	4.00625	0.1301487	0.29137476	2.2533817	21	3 1.8	20.6
219228 1999 VA_{157}	17.2	X	76.11015	169.17022	285.62957	0.74614	0.1863140	0.28553429	2.2840058	21	2 14.7	19.1
219229 1999 VC_{162}	15.7	X	105.49538	94.02186	269.96278	3.69242	0.1952213	0.19132336	2.9827994	21	—	—
219230 1999 VK_{162}	16.6	X	170.87781	285.37098	39.67960	12.64044	0.2604262	0.28785062	2.2717364	21	1 7.9	20.4
219231 1999 VN_{165}	16.7	X	163.77493	333.49727	31.32116	5.86332	0.1568215	0.28947188	2.2632462	21	2 11.5	19.9
219232 1999 VT_{166}	14.8	X	235.20558	307.14073	251.80578	10.38729	0.0338894	0.18446318	3.0563019	21	—	—
219233 1999 VN_{187}	15.1	X	42.13986	352.79807	60.34942	15.25964	0.1938605	0.18792350	3.0186678	21	—	—
219234 1999 VX_{191}	15.8	X	63.53657	265.21656	147.35463	2.43830	0.1340856	0.18985515	2.9981577	21	—	—
219235 1999 VN_{198}	17.1	X	55.73359	279.45091	163.30863	8.32924	0.2635180	0.28310356	2.2970608	21	—	—
219236 1999 VB_{207}	15.2	X	346.22974	208.49915	237.18282	10.13411	0.1119261	0.18535946	3.0464417	21	—	—
219237 1999 VR_{212}	17.9	X	197.12547	112.20023	225.96519	1.19509	0.1972078	0.29109115	2.2548451	21	2 9.1	21.4
219238 1999 WS_{17}	15.5	X	110.31813	178.05232	212.61742	10.81086	0.0924815	0.19644321	2.9307450	21	1 16.2	19.7
219239 1999 WB_{24}	17.5	X	223.13444	14.68144	223.95324	1.85861	0.1841091	0.27903272	2.3193482	21	—	—
219240 1999 XN	16.2	X	121.24128	167.49843	151.34152	1.38830	0.1689170	0.18713555	3.0271354	21	—	—
219241 1999 XW_{29}	15.3	X	53.87705	269.92365	98.30459	12.82940	0.2194152	0.18360343	3.0658355	21	—	—
219242 1999 XJ_{44}	16.7	X	51.26231	215.89508	259.51856	4.30550	0.1978122	0.28528918	2.2853138	21	1 21.3	18.1
219243 1999 XG_{53}	16.7	X	91.80258	322.86576	72.74505	8.15559	0.1169707	0.28234600	2.3011678	21	—	—
219244 1999 XV_{62}	15.2	X	93.54760	140.26660	250.56082	8.89723	0.0867647	0.19037101	2.9927390	21	—	—
219245 1999 XC_{70}	17.3	X	107.27960	195.70843	222.50104	1.49983	0.1973977	0.28621131	2.2804026	21	2 16.6	19.6
219246 1999 XL_{70}	17.3	X	108.68726	305.56751	97.38397	3.73008	0.1684341	0.28487307	2.2875387	21	1 24.8	19.7
219247 1999 XS_{116}	14.9	X	104.59575	83.37159	277.02704	4.03728	0.2440051	0.19097794	2.9863950	21	—	—
219248 1999 XT_{130}	15.3	X	73.98023	59.12278	315.68805	8.55607	0.2622886	0.18720814	3.0263528	21	—	—
219249 1999 XC_{139}	14.7	X	292.71105	352.70502	98.56223	14.53221	0.0805012	0.17363370	3.1820966	21	11 5.7	19.1
219250 1999 XQ_{161}	17.5	X	124.67547	359.86818	52.03830	3.24504	0.1958934	0.28813700	2.2702309	21	3 5.4	20.4
219251 1999 XS_{161}	17.0	X	8.56127	150.11823	326.52378	4.18303	0.1933895	0.27885768	2.3203187	21	—	—
219252 1999 XX_{183}	16.9	X	70.22609	136.07895	315.20407	5.31085	0.1778919	0.28440939	2.2900243	21	1 27.4	18.4
219253 1999 XU_{238}	17.1	X	213.65127	67.26714	290.30419	3.73261	0.2585714	0.29618066	2.2289393	21	3 17.4	20.9
219254 1999 XE_{259}	15.2	X	69.72184	52.26867	289.85773	9.42140	0.0868585	0.17723434	3.1388517	21	12 24.1	19.7
219255 1999 YC_{12}	17.1	X	221.69070	136.50586	208.47102	0.69398	0.0482441	0.24532739	2.5271946	21	3 19.4	20.5
219256 2000 AM_{4}	14.8	X	262.37781	353.34542	125.84702	7.18477	0.0280797	0.17075625	3.2177451	21	11 4.1	19.4
219257 2000 AN_{22}	15.0	X	96.85240	101.13670	295.55098	11.23916	0.2112782	0.19045707	2.9918374	21	1 26.5	18.8
219258 2000 AT_{42}	17.3	X	99.30114	147.05180	299.30772	17.50080	0.1122785	0.37687217	1.8981914	21	2 5.1	18.5
219259 2000 AS_{43}	16.0	X	5.26598	48.54792	2.26622	0.37006	0.0585467	0.17740951	3.1367852	21	12 22.4	20.0
219260 2000 AR_{88}	16.9	X	33.07630	176.05106	289.96136	2.42967	0.1157616	0.27829233	2.3234601	21	—	—
219261 2000 AW_{94}	16.9	X	143.03240	54.58526	340.43857	2.97452	0.1702549	0.28655098	2.2786002	21	2 27.6	19.8
219262 2000 AU_{122}	14.7	X	69.59350	242.37304	127.67109	11.98066	0.2572564	0.18205780	3.0831632	21	—	—
219263 2000 AH_{136}	14.9	X	79.05347	52.44645	297.23002	8.35748	0.0845998	0.17997067	3.1069545	21	—	—
219264 2000 AU_{155}	14.9	X	279.46964	156.45548	276.65452	17.02717	0.1448380	0.17078191	3.2174228	21	9 1.1	19.7
219265 2000 AK_{158}	15.5	X	48.13905	22.61254	58.55005	2.38436	0.2221963	0.18804163	3.0174034	21	1 3.9	18.5
219266 2000 AC_{164}	16.9	X	45.47514	193.63905	265.55605	2.82796	0.1819296	0.27948939	2.3168211	21	—	—
219267 2000 AR_{175}	15.2	X	344.25512	207.08208	241.05040	11.76439	0.2327528	0.18152115	3.0892370	21	—	—
219268 2000 AY_{195}	14.5	X	28.21218	144.91067	274.59456	14.35602	0.1604421	0.18119043	3.0929950	21	—	—
219269 2000 AH_{201}	15.1	X	349.20846	274.79971	179.61405	14.54430	0.2025835	0.18180281	3.0860454	21	—	—
219270 2000 AL_{207}	17.1	X	48.86387	150.61910	309.38748	2.33735	0.1263785	0.27912410	2.3188420	21	—	—
219271 2000 AO_{210}	16.0	X	285.18675	146.61046	341.28353	1.72875	0.1332199	0.17644987	3.1481481	21	11 28.1	20.1
219272 2000 AU_{235}	16.1	X	330.80349	343.92965	141.40929	1.01420	0.1810363	0.18128878	3.0918762	21	—	—
219273 2000 AS_{244}	16.2	X	293.16207	339.80897	205.13894	6.97996	0.2161811	0.27209118	2.3586296	21	—	—
219274 2000 BZ_{3}	15.5	X	340.00915	151.01898	333.99176	4.47758	0.2049697	0.18105799	3.0945031	21	—	—
219275 2000 BL_{11}	17.2	X	141.39855	79.49784	289.50273	5.64539	0.2783669	0.28472761	2.2883178	21	2 4.2	20.6
219276 2000 BL_{17}	17.0	X	355.81998	71.10099	65.63317	3.31758	0.1470581	0.27692029	2.3311284	21	—	—
219277 2000 BO_{39}	16.9	X	69.90318	107.65557	294.93740	1.85217	0.0360002	0.27460391	2.3442193	21	—	—
219278 2000 CD_{43}	16.8	X	21.27437	255.53436	202.71772	3.85867	0.1150377	0.27487085	2.3427014	21	—	—
219279 2000 CX_{58}	16.7	X	243.40842	329.99785	278.00783	19.01762	0.1170190	0.36678531	1.9328349	21	—	—
219280 2000 CY_{67}	17.3	X	314.63919	259.97435	230.60659	0.64438	0.1354448	0.27019085	2.3696759	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219281 2000 CO_{69}	15.8	X	6.76331	71.48686	316.89362	7.51680	0.2010277	0.17363160	3.1821223	21	12 10.6	19.6
219282 2000 CN_{79}	16.2	X	264.51304	298.82115	169.21090	0.63903	0.1205387	0.16917081	3.2378179	21	10 8.3	20.7
219283 2000 CD_{92}	16.1	X	281.37572	160.53078	343.94070	11.47433	0.1847947	0.26562827	2.3967341	21	—	—
219284 2000 CK_{96}	17.1	X	17.60384	46.44845	96.99741	0.54313	0.1482380	0.27987615	2.3146862	21	—	—
219285 2000 CL_{101}	16.2	X	316.39703	246.65685	200.91571	0.35920	0.1402565	0.17447565	3.1718514	21	11 25.3	19.8
219286 2000 CG_{110}	16.8	X	44.16424	45.77298	326.10200	5.34019	0.1380446	0.26654017	2.3912644	21	—	—
219287 2000 CG_{116}	15.5	X	263.08888	49.53680	107.11238	3.21885	0.1133226	0.17470285	3.1691008	21	12 6.5	19.8
219288 2000 CX_{117}	16.2	X	157.13183	231.49350	134.81500	8.14033	0.2685231	0.28435521	2.2903152	21	2 16.2	19.6
219289 2000 CG_{127}	15.6	X	277.24719	194.88815	307.05852	3.76118	0.0928244	0.17557844	3.1585560	21	12 9.5	19.9
219290 2000 CA_{137}	17.1	X	297.76576	25.10749	124.99750	4.16811	0.1537746	0.27080705	2.3660799	21	—	—
219291 2000 CL_{139}	17.3	X	108.01852	270.60734	129.97951	4.94443	0.0900520	0.27996105	2.3142182	21	1 8.3	19.7
219292 2000 DT	16.2	X	354.37080	133.88934	351.74910	23.69242	0.2703667	0.27400558	2.3476307	21	—	—
219293 2000 DR_{28}	16.8	X	296.88929	248.03307	277.85567	0.55177	0.1242302	0.27025428	2.3693052	21	—	—
219294 2000 DO_{30}	15.3	X	348.45549	252.51239	175.41009	5.23892	0.1553971	0.17509909	3.1643180	21	12 25.6	19.0
219295 2000 DP_{30}	16.5	X	70.47528	107.35858	322.71356	7.62231	0.2191929	0.27840673	2.3228236	21	1 1.2	18.1
219296 2000 DJ_{35}	16.7	X	218.36731	69.07200	130.79261	1.99677	0.1311444	0.26347332	2.4097849	21	12 20.1	20.0
219297 2000 DK_{36}	15.9	X	247.18122	22.26320	139.30034	2.40544	0.1491348	0.17148354	3.2086407	21	11 18.3	20.5
219298 2000 DT_{47}	16.7	X	149.98190	238.53205	340.96231	5.25673	0.1593922	0.25614561	2.4555273	21	10 31.6	20.8
219299 2000 DZ_{51}	17.0	X	235.56102	27.63756	147.51830	2.50576	0.1402531	0.26278042	2.4140192	21	12 8.1	20.1
219300 2000 DB_{61}	16.8	X	265.45971	26.19344	136.57273	2.90546	0.1465998	0.26522315	2.3991741	21	—	—
219301 2000 DP_{70}	16.9	X	168.11415	224.42349	352.22742	2.08627	0.1486177	0.25753501	2.4466876	21	11 15.6	20.7
219302 2000 DW_{79}	16.8	X	20.11942	116.19616	344.22487	6.31282	0.1778553	0.27554506	2.3388783	21	—	—
219303 2000 DG_{87}	14.9	X	352.56180	272.92785	134.52869	25.99656	0.2339927	0.17437179	3.1731108	21	12 17.9	18.7
219304 2000 DR_{95}	16.3	X	296.38031	137.51559	354.81951	6.98817	0.1529871	0.26708384	2.3880182	21	—	—
219305 2000 DM_{105}	16.3	X	258.25637	136.37617	39.81455	4.64598	0.0927177	0.26538692	2.3981869	21	—	—
219306 2000 DM_{107}	16.9	X	4.44803	4.06553	109.82877	4.61755	0.1913449	0.27330801	2.3516236	21	—	—
219307 2000 DN_{112}	17.3	X	242.64392	25.45110	148.72726	0.79363	0.2460172	0.26304976	2.4123710	21	11 29.9	20.5
219308 2000 EH_{2}	16.1	X	328.66194	288.62544	153.63173	1.23175	0.2390867	0.17523326	3.1627026	21	12 7.8	19.1
219309 2000 ED_{3}	17.4	X	292.62873	339.29221	151.21686	1.92587	0.1223118	0.26519359	2.3993524	21	—	—
219310 2000 EJ_{27}	16.6	X	166.56651	39.95347	187.85826	4.37304	0.1563924	0.25842675	2.4410560	21	11 28.9	20.5
219311 2000 EC_{53}	17.5	X	107.25538	300.94116	345.68800	0.86927	0.1654038	0.25793481	2.4441588	21	12 16.4	21.3
219312 2000 EF_{64}	16.5	X	309.93202	282.22417	172.87339	11.00074	0.1538542	0.26255183	2.4154201	21	12 18.8	18.9
219313 2000 EJ_{71}	15.4	X	347.95892	299.32766	147.37753	5.42010	0.1724937	0.17790051	3.1310109	21	—	—
219314 2000 EO_{115}	17.4	X	19.41863	131.10625	336.58167	1.74775	0.1339434	0.27370643	2.3493410	21	—	—
219315 2000 ET_{118}	15.3	X	63.59577	92.93724	355.27185	23.39619	0.2946707	0.28047320	2.3114001	21	2 4.7	17.1
219316 2000 EH_{194}	15.1	X	295.58166	299.64534	159.71002	5.62148	0.1035267	0.16937405	3.2352273	21	11 12.0	19.3
219317 2000 FZ_{7}	17.2	X	304.97296	315.32471	178.24052	1.89705	0.1678971	0.26552781	2.3973386	21	—	—
219318 2000 FB_{9}	17.5	X	287.06685	250.20772	261.89152	0.59481	0.1300749	0.26393204	2.4069919	21	—	—
219319 2000 FH_{10}	18.2	X	189.56312	355.04061	7.12775	9.84196	0.1140045	0.46306404	1.6546597	21	2 4.2	19.6
219320 2000 FT_{26}	16.8	X	192.26801	29.76884	179.64115	2.68351	0.1470562	0.25845385	2.4408853	21	12 1.3	20.5
219321 2000 FA_{28}	16.7	X	351.05554	250.80547	242.20483	1.51224	0.1502446	0.27127497	2.3633583	21	—	—
219322 2000 FF_{74}	17.4	X	0.96462	279.42669	166.02160	1.27293	0.1416575	0.26592031	2.3949790	21	—	—
219323 2000 GC	16.8	X	7.13058	285.23331	14.36631	16.97419	0.2365327	0.24292169	2.5438521	21	9 3.3	19.1
219324 2000 GT_{154}	16.8	X	22.40623	284.99655	322.14847	4.58196	0.2287575	0.23926670	2.5696928	21	7 5.7	18.7
219325 2000 HR_{8}	15.7	X	220.98872	130.57998	51.98019	5.70997	0.1787316	0.25809702	2.4431346	21	11 23.5	19.0
219326 2000 HP_{68}	16.4	X	295.77804	94.51136	50.77710	8.35182	0.1403197	0.26273497	2.4142976	21	—	—
219327 2000 HY_{78}	15.8	X	28.00635	145.34928	109.22371	13.31047	0.2147052	0.24017009	2.5632449	21	7 29.6	18.1
219328 2000 JR_{22}	16.5	X	198.07704	148.89669	44.02358	2.68061	0.1545860	0.25518938	2.4616576	21	11 14.9	20.1
219329 2000 JR_{25}	16.2	X	87.31078	307.88212	278.60374	7.20064	0.1628492	0.24453793	2.5326308	21	9 6.1	19.9
219330 2000 KO_{1}	15.8	X	300.68571	109.76925	192.85759	30.43686	0.3892607	0.22854387	2.6494537	21	3 14.5	20.2
219331 2000 KA_{44}	17.0	X	245.15345	129.53252	48.04735	2.90417	0.1312783	0.26007494	2.4307318	21	12 24.8	19.8
219332 2000 LA_{3}	15.7	X	282.05697	163.56576	138.10777	16.19178	0.3574749	0.22443713	2.6816756	21	3 5.7	20.3
219333 2000 NP_{29}	16.0	X	312.71522	139.52337	158.11494	13.49599	0.1516810	0.22772419	2.6558075	21	5 3.1	19.5
219334 2000 OT_{8}	15.3	X	291.63839	12.61727	313.20943	13.42413	0.2748403	0.22761175	2.6566821	21	4 12.2	19.5
219335 2000 OB_{40}	15.7	X	12.83526	343.01011	288.48413	11.98557	0.1645458	0.23248071	2.6194579	21	7 15.1	17.9
219336 2000 OL_{60}	15.9	X	299.42968	219.40169	145.13801	3.93280	0.2447000	0.23140739	2.6275515	21	6 25.6	18.9
219337 2000 PD_{26}	15.2	X	211.48879	130.52689	263.98510	20.81550	0.0852935	0.22244648	2.6976506	21	5 9.8	19.5
219338 2000 QZ_{14}	16.1	X	355.64317	289.34550	333.92297	12.55244	0.1809856	0.22960266	2.6413023	21	5 19.5	18.9
219339 2000 QP_{23}	16.1	X	197.07232	248.97711	139.65736	15.58263	0.2465818	0.21958306	2.7210519	21	4 24.4	21.2
219340 2000 QM_{34}	15.5	X	280.70173	8.39399	345.45655	28.83646	0.1082712	0.22838933	2.6506487	21	5 30.4	19.8
219341 2000 QY_{46}	15.9	X	288.22067	293.01106	337.23531	11.33434	0.2302588	0.22136956	2.7063925	21	2 13.7	20.1
219342 2000 QC_{61}	15.9	X	288.07675	295.86470	355.95248	15.95869	0.2028485	0.22350304	2.6891422	21	3 13.9	19.9
219343 2000 QR_{111}	16.0	X	238.18921	53.63529	347.62133	6.77090	0.1791461	0.22597019	2.6695329	21	6 9.9	20.3
219344 2000 QD_{139}	15.8	X	265.08477	335.71064	357.54489	14.57286	0.2066629	0.22210005	2.7004550	21	4 6.4	20.0
219345 2000 QZ_{153}	15.3	X	222.04849	148.59305	265.40272	9.58746	0.1920306	0.22681685	2.6628856	21	6 10.6	19.6
219346 2000 QW_{155}	15.9	X	209.29034	96.62518	293.59756	10.82649	0.1765064	0.22203749	2.7009622	21	4 27.2	20.5
219347 2000 QW_{163}	15.7	X	218.09393	139.14209	236.18369	7.18907	0.1284202	0.22295882	2.6935164	21	4 21.4	19.9
219348 2000 QU_{189}	15.3	X	228.34974	293.26448	9.82545	10.16599	0.2029845	0.21602246	2.7508702	21	2 6.1	20.1
219349 2000 QY_{194}	15.7	X	281.26716	30.12146	319.22933	14.00679	0.2162172	0.22862523	2.6488251	21	5 11.1	19.8
219350 2000 QL_{228}	16.0	X	274.58318	64.55345	287.96695	5.01228	0.0351417	0.22608298	2.6686450	21	6 7.6	19.5
219351 2000 QB_{229}	15.9	X	267.23139	121.41332	163.58640	12.76675	0.1994817	0.21862784	2.7289719	21	2 12.4	20.4
219352 2000 RK_{19}	15.4	X	282.39030	57.51017	252.87040	6.39725	0.2739864	0.22345462	2.6895306	21	3 19.2	19.7
219353 2000 RM_{29}	15.7	X	213.16461	53.09506	323.75461	12.82184	0.1204251	0.21942527	2.7223562	21	4 13.7	20.3
219354 2000 RJ_{35}	15.8	X	206.72896	26.92917	323.21205	12.59151	0.0871545	0.21555092	2.7548807	21	3 8.8	20.0
219355 2000 RW_{42}	15.7	X	189.02973	348.21484	335.50852	12.71447	0.2214171	0.21008637	2.8024474	21	1 30.3	20.5
219356 2000 RV_{44}	15.7	X	205.57779	32.62588	331.39941	7.31244	0.2241185	0.21618477	2.7494932	21	3 25.0	20.6
219357 2000 RW_{49}	15.9	X	230.48137	146.97212	206.31051	15.45287	0.3434994	0.21811116	2.7332800	21	3 27.8	21.0
219358 2000 RA_{79}	16.7	X	170.20869	31.13491	353.26410	5.81706	0.4001470	0.21323537	2.7747885	21	3 29.9	22.0
219359 2000 RG_{80}	15.7	X	272.25546	74.59213	311.69965	14.22556	0.0525817	0.22939947	2.6428617	21	7 19.9	19.2
219360 2000 RB_{83}	15.6	X	121.05205	172.96723	286.64455	6.39135	0.3000751	0.21463733	2.7626925	21	5 17.6	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219361 2000 RW_{89}	16.6	X	215.34854	109.67490	226.13556	2.89873	0.2181389	0.21639857	2.7476819	21	2 28.7	21.3
219362 2000 RM_{96}	16.1	X	269.62154	340.51095	313.60610	5.70764	0.0350908	0.21756460	2.7378557	21	3 14.6	20.0
219363 2000 RD_{99}	16.2	X	259.45538	105.12031	243.02883	10.37256	0.2049546	0.22327570	2.6909673	21	4 21.2	20.5
219364 2000 SG_{2}	15.9	X	345.92301	280.05204	49.21391	8.07866	0.2112119	0.23400905	2.6080402	21	8 20.3	18.2
219365 2000 SC_{10}	15.9	X	157.67427	12.79221	32.50842	8.78049	0.1778426	0.21473376	2.7618653	21	4 6.4	20.3
219366 2000 SU_{12}	15.9	X	192.69225	265.29656	71.45700	16.28105	0.3019159	0.21294933	2.7772728	21	2 22.5	21.3
219367 2000 SD_{15}	16.1	X	175.25305	77.53000	309.01119	11.28484	0.1505211	0.21554329	2.7549457	21	3 21.9	20.7
219368 2000 SO_{20}	15.5	X	152.30359	232.33918	223.64975	14.78047	0.2354008	0.21700404	2.7425686	21	6 4.6	20.3
219369 2000 SU_{21}	16.1	X	253.74923	175.45315	187.33601	19.84999	0.3210930	0.22338082	2.6901230	21	4 28.4	20.9
219370 2000 SS_{38}	15.8	X	168.22186	316.98428	30.16487	11.92926	0.2648776	0.21016230	2.8017723	21	2 14.9	20.8
219371 2000 SR_{40}	15.6	X	273.57010	348.39588	302.11022	7.87983	0.2683514	0.21828631	2.7318177	21	2 17.9	20.1
219372 2000 SB_{42}	15.9	X	238.55799	102.88602	247.23275	7.86846	0.1782497	0.21878840	2.7276367	21	4 5.7	20.5
219373 2000 SR_{45}	15.5	X	287.42620	117.80618	237.13779	11.13308	0.2962249	0.22884629	2.6471190	21	5 19.6	19.2
219374 2000 SR_{48}	15.6	X	232.52792	212.59598	186.76338	14.70158	0.1813880	0.22495447	2.6775626	21	6 3.8	20.1
219375 2000 SH_{49}	16.0	X	225.52576	61.99699	287.16950	5.36560	0.0740244	0.21867442	2.7285844	21	3 28.4	20.1
219376 2000 SB_{51}	15.8	X	193.56714	103.14812	310.26748	9.41915	0.0815405	0.22083869	2.7107280	21	5 13.8	20.1
219377 2000 SS_{61}	16.3	X	244.02707	166.37353	176.16778	9.48442	0.1656979	0.21991409	2.7183206	21	4 6.3	20.5
219378 2000 SX_{63}	15.8	X	189.51916	196.80928	191.38782	8.44948	0.0651100	0.21732437	2.7398730	21	4 10.6	19.8
219379 2000 SX_{76}	16.1	X	265.54905	119.41627	216.47142	3.43104	0.0861976	0.22217489	2.6998485	21	4 27.7	19.7
219380 2000 SB_{78}	15.8	X	275.82648	81.12257	193.69894	8.62989	0.1998242	0.21735294	2.7396329	21	2 7.3	20.2
219381 2000 SQ_{78}	15.8	X	223.47001	201.57842	164.81396	7.91839	0.0613137	0.21901157	2.7257834	21	4 22.8	19.8
219382 2000 SU_{89}	16.3	X	216.40497	341.14656	357.16612	4.93442	0.0401378	0.21524966	2.7574505	21	3 9.6	20.1
219383 2000 SB_{93}	15.8	X	204.74523	180.66776	203.92369	15.78998	0.2362174	0.21932157	2.7232143	21	4 20.3	20.5
219384 2000 SE_{100}	15.6	X	175.17324	56.96441	315.72206	10.50976	0.2463530	0.21252564	2.7809626	21	3 11.5	20.5
219385 2000 SW_{101}	15.8	X	122.46699	214.52780	201.20031	8.27408	0.1158887	0.21120754	2.7925210	21	3 4.0	19.9
219386 2000 SD_{113}	15.5	X	246.27332	274.19268	21.74194	9.16001	0.2923035	0.21560993	2.7543780	21	2 7.9	20.5
219387 2000 SC_{130}	16.1	X	227.50969	104.71497	292.37320	11.55723	0.2717343	0.22327537	2.6909699	21	5 19.0	21.0
219388 2000 SC_{134}	15.7	X	155.78252	125.51907	312.77111	8.49402	0.1299251	0.21826578	2.7319890	21	5 7.4	20.0
219389 2000 SL_{139}	16.0	X	250.58967	335.71790	324.50705	6.25826	0.2842390	0.21685254	2.7438459	21	2 12.7	20.9
219390 2000 SU_{141}	15.8	X	199.04209	181.41780	232.04445	13.84568	0.2589722	0.21886628	2.7269896	21	5 20.2	20.6
219391 2000 SV_{143}	15.5	X	166.87190	91.25331	13.75811	11.43359	0.0968647	0.22284545	2.6944298	21	6 23.5	19.8
219392 2000 SY_{151}	15.4	X	247.74859	316.23337	28.34087	13.82361	0.1630265	0.21896352	2.7261822	21	4 12.4	19.7
219393 2000 SZ_{155}	15.5	X	160.26349	41.05941	4.33441	8.99704	0.1683707	0.21369467	2.7708111	21	4 5.7	20.0
219394 2000 SA_{165}	15.6	X	137.03073	143.62366	274.71374	10.68533	0.1512972	0.21339830	2.7733759	21	3 23.8	20.1
219395 2000 SS_{167}	15.5	X	228.16610	110.03581	238.53874	6.09842	0.2397387	0.21777608	2.7360830	21	3 23.7	20.4
219396 2000 SP_{173}	15.3	X	293.22738	75.97038	248.75766	13.87852	0.1081472	0.22355129	2.6887552	21	5 14.4	19.0
219397 2000 SP_{175}	15.9	X	252.90200	15.81614	314.32051	7.66096	0.1974660	0.21818698	2.7326468	21	3 23.4	20.5
219398 2000 SD_{180}	15.4	X	245.28585	102.91102	249.96982	10.41765	0.1144153	0.21910029	2.7250475	21	4 21.0	19.6
219399 2000 SX_{182}	16.3	X	223.18463	149.34158	194.69135	12.26357	0.1957980	0.21888890	2.7268017	21	3 16.6	21.0
219400 2000 ST_{191}	15.9	X	3.94323	221.85830	357.19041	9.05703	0.0624436	0.21948232	2.7218845	21	4 10.3	19.3
219401 2000 SN_{197}	16.3	X	206.36774	328.50463	18.72304	4.61717	0.1675935	0.21579650	2.7527902	21	3 9.7	20.7
219402 2000 ST_{207}	16.9	X	227.61457	273.98154	38.25116	3.52826	0.3174034	0.21507213	2.7589678	21	2 11.4	22.0
219403 2000 SV_{208}	16.3	X	184.53753	238.16816	157.64122	10.38862	0.2880713	0.21651421	2.7467035	21	4 21.9	21.4
219404 2000 SC_{209}	15.8	X	189.17023	319.87170	40.64779	10.39822	0.2603237	0.21417044	2.7667061	21	3 16.2	20.8
219405 2000 SC_{214}	15.8	X	252.56116	87.33938	185.22795	11.94544	0.1960283	0.21448386	2.7640102	21	1 16.3	20.5
219406 2000 SO_{220}	16.2	X	220.38804	187.74469	161.27774	10.88847	0.2566108	0.21639982	2.7476714	21	3 21.7	21.0
219407 2000 SL_{230}	15.6	X	193.09652	313.00750	34.98350	12.37493	0.1027248	0.21116090	2.7929322	21	3 2.9	20.1
219408 2000 SF_{237}	15.5	X	270.41858	327.67744	11.70987	14.82383	0.0302219	0.22107291	2.7088130	21	5 11.4	19.4
219409 2000 SS_{243}	15.7	X	179.83696	4.64119	23.49218	9.26429	0.2165588	0.21642622	2.7474479	21	4 5.6	20.5
219410 2000 SC_{260}	15.6	X	177.74352	300.72822	48.25962	8.35195	0.2355898	0.20995982	2.8035734	21	2 21.5	20.5
219411 2000 SZ_{260}	15.8	X	187.18425	3.12956	46.82740	15.39011	0.1949106	0.21635698	2.7480340	21	5 6.8	20.2
219412 2000 SZ_{261}	16.0	X	179.10932	37.10490	14.74343	9.56005	0.1827965	0.21648334	2.7469646	21	4 29.8	20.6
219413 2000 SB_{272}	15.8	X	84.62776	37.97416	278.12636	12.71982	0.1788884	0.24398614	2.5364479	21	12 30.0	19.8
219414 2000 SK_{279}	15.6	X	221.22573	165.64897	221.01839	9.72781	0.3047957	0.21857321	2.7294266	21	5 2.7	20.6
219415 2000 SH_{296}	16.1	X	347.94033	135.37110	206.54319	13.04199	0.0317824	0.23218419	2.6216877	21	9 3.8	19.6
219416 2000 SG_{306}	16.2	X	179.10216	88.94613	326.29414	7.91644	0.2332716	0.21726013	2.7404130	21	5 3.9	21.1
219417 2000 SJ_{309}	15.2	X	146.16519	6.73055	36.58025	18.73089	0.1620066	0.20927769	2.8096621	21	3 29.1	19.7
219418 2000 SE_{314}	15.9	X	270.33471	45.78376	250.09983	13.43844	0.1833674	0.22033019	2.7148971	21	2 24.3	20.5
219419 2000 SC_{315}	15.7	X	226.80969	42.66959	322.93702	14.02222	0.1506920	0.21917073	2.7244636	21	4 10.9	20.3
219420 2000 SC_{319}	15.7	X	149.66189	127.42583	299.46443	11.18513	0.2050221	0.21282725	2.7783347	21	4 20.9	20.5
219421 2000 SE_{327}	15.9	X	266.77765	286.29699	52.96264	13.01138	0.2223539	0.22343063	2.6897231	21	4 20.6	20.1
219422 2000 SY_{335}	16.2	X	292.83645	0.93214	63.36212	5.64418	0.1577404	0.23268980	2.6178885	21	9 26.9	19.2
219423 2000 SO_{349}	16.0	X	237.13508	283.42618	32.27371	16.49523	0.2948129	0.21831051	2.7316158	21	2 28.3	21.2
219424 2000 SC_{351}	15.8	X	209.73087	254.71457	121.08783	14.03697	0.2035226	0.21843683	2.7305626	21	4 20.0	20.7
219425 2000 SN_{358}	16.4	X	170.91101	354.72605	61.25504	2.53066	0.2179430	0.21666106	2.7454622	21	5 1.5	21.0
219426 2000 SL_{368}	15.7	X	176.29043	85.53597	290.08678	11.60674	0.2270591	0.21255926	2.7806695	21	3 12.9	20.7
219427 2000 SD_{369}	15.8	X	219.68830	13.75310	315.25180	7.15723	0.2188189	0.21288835	2.7778030	21	2 24.3	20.7
219428 2000 TN_{23}	16.6	X	281.28491	326.31088	344.13297	2.05358	0.2142384	0.22102306	2.7092203	21	3 27.8	20.5
219429 2000 TH_{28}	16.3	X	192.96793	93.98616	328.33916	3.11200	0.1381520	0.22026324	2.7154472	21	5 26.3	20.5
219430 2000 TX_{44}	16.0	X	191.04591	300.43263	98.04916	7.85555	0.2906135	0.21779000	2.7359664	21	4 29.5	21.0
219431 2000 TZ_{58}	15.5	X	192.08057	249.01270	98.09898	10.48503	0.1875063	0.21225560	2.7833209	21	2 28.8	20.3
219432 2000 TH_{65}	16.5	X	158.57325	11.73022	11.79656	5.05796	0.0761161	0.21109589	2.7935055	21	3 3.9	20.6
219433 2000 UA_{18}	16.0	X	241.87645	263.48811	73.16070	9.82845	0.1690394	0.21692118	2.7432670	21	3 31.9	20.5
219434 2000 UG_{22}	15.9	X	199.10601	334.68249	65.04694	6.31429	0.1659349	0.21719415	2.7409680	21	5 5.4	20.5
219435 2000 UH_{41}	15.9	X	193.53223	165.22786	231.43050	7.47364	0.2290597	0.21582059	2.7525854	21	4 25.2	20.8
219436 2000 US_{51}	16.1	X	132.12484	25.77718	76.08920	5.19928	0.1737756	0.21373853	2.7704321	21	5 20.7	20.3
219437 2000 UC_{62}	15.9	X	176.49038	120.76291	263.53538	4.28083	0.0746733	0.21266060	2.7797860	21	3 20.5	20.1
219438 2000 UM_{64}	16.3	X	146.64585	75.63775	324.85544	5.18070	0.1240475	0.21113047	2.7932004	21	3 13.6	20.5
219439 2000 UZ_{67}	16.0	X	200.76700	9.74297	348.41193	3.92356	0.0809156	0.21256616	2.7806093	21	3 16.2	20.3
219440 2000 UV_{69}	16.6	X	170.88529	36.54037	2.91113	4.80735	0.1910244	0.21330910	2.7741490	21	4 9.5	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219441 2000 UH_{80}	15.9	X	267.52685	358.01507	49.08135	5.84226	0.2894060	0.22519630	2.6756454	21	7 6.3	19.9
219442 2000 UB_{94}	15.7	X	205.69693	131.80558	247.47507	7.45688	0.2015966	0.21622734	2.7491323	21	4 12.7	20.5
219443 2000 UG_{97}	15.6	X	143.68086	139.50953	282.75733	4.21204	0.2176820	0.21122324	2.7923825	21	4 14.1	20.3
219444 2000 UY_{104}	15.8	X	351.53801	72.66133	236.16395	7.80919	0.1289723	0.22759457	2.6568158	21	7 24.8	18.8
219445 2000 VQ_{23}	16.1	X	129.16044	47.35003	21.09184	2.58522	0.2296234	0.20979927	2.8050034	21	4 11.5	20.5
219446 2000 VM_{24}	15.4	X	285.48036	105.99580	223.69187	5.97333	0.1653314	0.22023457	2.7156829	21	5 3.1	19.2
219447 2000 VN_{25}	15.7	X	292.47768	64.98094	222.89911	7.66810	0.0940745	0.21530321	2.7569933	21	3 27.2	19.5
219448 2000 WN	16.0	X	123.42045	293.97712	147.48346	8.05771	0.2068102	0.21089626	2.7952681	21	4 22.4	20.3
219449 2000 WM_{17}	16.3	X	163.40383	285.16382	161.90660	3.38340	0.2501407	0.21518907	2.7579681	21	6 3.6	21.2
219450 2000 WU_{47}	15.9	X	139.51598	153.83092	224.64872	14.70535	0.1477103	0.20546776	2.8442882	21	2 6.8	20.5
219451 2000 WD_{53}	16.2	X	248.20916	75.53410	236.02488	0.91536	0.0852059	0.21058400	2.7980307	21	3 9.0	20.2
219452 2000 WA_{78}	16.2	X	311.56986	58.52953	315.97399	3.15148	0.1936340	0.22830799	2.6512783	21	8 9.6	18.9
219453 2000 WV_{150}	15.9	X	193.91137	87.68391	281.32028	16.93870	0.2955894	0.21239598	2.7820944	21	3 16.4	21.4
219454 2000 WP_{153}	15.5	X	101.88229	66.69478	18.37152	7.32226	0.3046620	0.20379189	2.8598600	21	4 13.7	19.8
219455 2000 WY_{153}	14.9	X	134.47705	194.66895	248.70897	24.95866	0.1201023	0.21379330	2.7699589	21	4 20.2	19.3
219456 2000 WF_{165}	16.0	X	75.13996	78.07032	53.72690	5.55477	0.0309900	0.21156060	2.7894133	21	4 1.5	19.7
219457 2000 WY_{165}	15.6	X	297.94340	112.97972	228.73512	13.58896	0.1353080	0.22296976	2.6934282	21	6 9.7	19.1
219458 2000 XU_{2}	15.2	X	254.48926	34.77243	316.41759	12.45687	0.1129828	0.21832498	2.7314951	21	4 25.7	19.6
219459 2000 XT_{20}	16.0	X	238.66026	358.38069	3.79979	8.41707	0.2952678	0.21833071	2.7314473	21	4 14.6	21.0
219460 2000 XN_{36}	16.1	X	156.73655	80.06566	336.00199	12.37751	0.2369902	0.21176124	2.7876510	21	4 15.4	21.1
219461 2000 XY_{41}	15.4	X	150.06554	37.44097	337.26035	17.94771	0.2773539	0.20580493	2.8411808	21	2 28.4	20.2
219462 2000 YP_{1}	15.6	X	139.19284	127.23962	302.80433	13.42070	0.1765614	0.21144841	2.7903998	21	4 10.8	20.3
219463 2000 YV_{24}	15.6	X	359.81001	32.32241	102.79437	3.43392	0.0592901	0.19556114	2.9395511	21	—	—
219464 2000 YS_{36}	16.3	X	183.69931	251.42412	186.58546	2.00923	0.2961263	0.21553526	2.7550141	21	6 7.8	21.3
219465 2000 YR_{66}	17.1	X	273.57601	122.51470	265.47647	4.22377	0.1223002	0.31697184	2.1303727	21	7 11.8	19.4
219466 2001 AQ_{10}	12.5	X	292.49091	175.61239	278.66469	12.97591	0.1133050	0.08457892	5.1399782	21	10 11.7	19.3
219467 2001 AN_{26}	15.5	X	178.81219	339.45654	50.70904	8.82211	0.2303642	0.21024452	2.8010418	21	4 9.9	20.3
219468 2001 AU_{38}	15.4	X	34.02126	86.18441	341.03273	6.87443	0.1186927	0.19039965	2.9924389	21	—	—
219469 2001 BS_{21}	15.3	X	102.03314	175.46201	270.61365	14.26194	0.1079532	0.20613243	2.8381706	21	3 10.8	19.5
219470 2001 BJ_{23}	15.6	X	306.85943	150.21784	331.83194	2.24756	0.0794597	0.18656790	3.0332726	21	12 30.8	19.5
219471 2001 BY_{59}	15.0	X	289.75337	357.10535	156.26959	14.92386	0.2664826	0.18479969	3.0525905	21	12 22.4	18.6
219472 2001 CC	15.2	X	288.62005	128.78803	323.63298	15.12299	0.0397583	0.17823638	3.1270763	21	10 24.7	19.8
219473 2001 CJ_{3}	16.3	X	103.90344	157.68696	345.21523	5.95460	0.1129814	0.30354979	2.1927179	21	5 28.6	18.9
219474 2001 CH_{24}	15.8	X	298.40054	340.98823	173.12706	3.94422	0.1401675	0.18794268	3.0184625	21	—	—
219475 2001 CS_{26}	15.0	X	205.70121	228.42068	325.87629	8.04965	0.0784831	0.17958544	3.1113960	21	11 18.5	19.8
219476 2001 CN_{36}	15.1	X	292.02399	153.44111	0.08386	12.03555	0.2301056	0.18497469	3.0506649	21	—	—
219477 2001 CW_{44}	15.0	X	205.00484	176.12206	35.86558	15.28375	0.2136217	0.17814187	3.1281823	21	11 26.8	20.3
219478 2001 CO_{47}	15.0	X	193.46464	199.42480	326.73107	16.16294	0.1521353	0.17612860	3.1519752	21	9 24.5	20.3
219479 2001 DB_{7}	15.2	X	60.36607	248.84120	137.96781	12.90259	0.0194840	0.18472744	3.0533865	21	—	—
219480 2001 DJ_{9}	15.4	X	310.91413	140.76090	302.91927	5.07059	0.1355712	0.18003752	3.1061854	21	11 11.0	19.3
219481 2001 DF_{15}	15.7	X	143.51179	240.04943	341.40650	22.51860	0.3228709	0.26448861	2.4036141	21	10 21.2	20.6
219482 2001 DF_{29}	16.7	X	168.18201	41.61007	42.96436	1.82500	0.0992676	0.30475841	2.1869167	21	5 25.8	19.7
219483 2001 DQ_{35}	14.7	X	204.17095	242.62042	316.54075	18.81254	0.1591002	0.17904775	3.1176221	21	11 12.5	20.0
219484 2001 DX_{43}	15.5	X	22.76100	171.17729	296.27998	1.26766	0.1082942	0.19163821	2.9795314	21	—	—
219485 2001 DM_{82}	15.7	X	203.12241	240.07348	355.99113	3.61725	0.0623185	0.18125378	3.0922743	21	—	—
219486 2001 DZ_{93}	17.3	X	327.31700	74.05871	142.94557	1.35890	0.1242845	0.29288102	2.2456491	21	1 22.0	19.9
219487 2001 DE_{107}	15.1	X	82.66823	87.66706	337.03429	8.87330	0.0767145	0.19255386	2.9700783	21	1 25.3	19.1
219488 2001 EU_{2}	17.0	X	28.99296	60.16073	101.17865	5.02466	0.0346855	0.29453979	2.2372099	21	2 19.8	19.4
219489 2001 EG_{5}	15.3	X	299.01242	134.86421	7.88652	11.78514	0.1938756	0.18403301	3.0610627	21	—	—
219490 2001 EL_{26}	15.3	X	285.98907	308.97173	172.44877	11.65485	0.1197648	0.17877273	3.1208187	21	11 25.9	19.5
219491 2001 FK_{1}	17.2	X	199.23170	76.97036	166.39536	6.12173	0.1863615	0.27734724	2.3287354	21	—	—
219492 2001 FR_{32}	16.5	X	157.07074	271.92201	332.01488	5.30506	0.2803123	0.26977042	2.3721374	21	12 6.7	20.8
219493 2001 FD_{52}	15.1	X	168.41024	3.85133	198.14319	8.39664	0.1048122	0.17055751	3.2202443	21	10 21.6	20.2
219494 2001 FJ_{58}	16.3	X	181.44235	207.87660	80.38341	5.13333	0.2429191	0.27843536	2.3226644	21	—	—
219495 2001 FU_{73}	15.3	X	276.42679	134.81276	44.46335	6.10182	0.1121782	0.18291020	3.0735771	21	—	—
219496 2001 FK_{87}	16.7	X	226.68104	201.10341	61.50366	5.20488	0.1392954	0.28120331	2.3073976	21	—	—
219497 2001 FC_{88}	15.9	X	131.25367	245.97044	38.63153	13.38189	0.2345540	0.26991184	2.3713087	21	—	—
219498 2001 FR_{105}	15.3	X	237.88784	188.09415	22.72039	7.59942	0.1361794	0.18301140	3.0724438	21	—	—
219499 2001 FX_{108}	14.9	X	304.24611	133.42360	351.61452	9.40028	0.0228958	0.17952353	3.1121114	21	—	—
219500 2001 FN_{124}	15.1	X	293.77886	56.29915	103.73721	4.63384	0.0916192	0.18183462	3.0856856	21	—	—
219501 2001 FL_{156}	17.1	X	250.42059	246.55308	8.86690	4.89487	0.1299695	0.28406177	2.2918922	21	—	—
219502 2001 FJ_{158}	15.0	X	346.70418	124.32093	346.53090	16.29585	0.1637766	0.18623674	3.0368672	21	—	—
219503 2001 FG_{164}	15.1	X	206.87507	141.47609	59.38934	6.16890	0.1168756	0.17908224	3.1172218	21	11 26.0	19.8
219504 2001 FL_{196}	17.3	X	9.45535	23.53450	167.53560	5.11113	0.1186156	0.29277850	2.2461733	21	2 22.4	19.4
219505 2001 HU_{42}	16.4	X	115.76036	215.04192	70.82856	5.91188	0.2119864	0.26787709	2.3833016	21	12 25.9	20.3
219506 2001 HQ_{47}	16.6	X	339.26426	201.95123	354.03670	7.00894	0.1488410	0.28810633	2.2703920	21	1 8.6	19.2
219507 2001 HT_{64}	16.4	X	118.28265	45.73851	244.30700	3.99073	0.2334524	0.26699823	2.3885287	21	—	—
219508 2001 KE_{6}	14.5	X	265.30052	264.24504	240.09859	15.57820	0.1989469	0.17428380	3.1741787	21	11 11.4	19.0
219509 2001 KC_{16}	17.0	X	225.60546	163.07957	88.88364	5.70770	0.1908868	0.27717873	2.3296791	21	—	—
219510 2001 MU_{16}	16.2	X	30.02449	357.16499	352.76505	7.31937	0.2294391	0.25575830	2.4580057	21	12 21.9	19.4
219511 2001 MU_{19}	16.6	X	68.79327	241.29115	50.47777	2.79362	0.1780173	0.25605234	2.4561236	21	11 15.8	20.0
219512 2001 NG_{5}	16.9	X	352.69038	12.81381	349.16550	4.85253	0.2553566	0.25131032	2.4869239	21	11 1.6	18.8
219513 2001 OZ_{29}	16.9	X	80.10621	290.38751	15.20146	5.13098	0.1258606	0.25902296	2.4373087	21	12 9.5	20.5
219514 2001 OQ_{31}	16.9	X	43.99389	273.99924	68.39725	4.01257	0.1934438	0.25641751	2.4537911	21	12 24.2	20.0
219515 2001 OY_{39}	15.1	X	198.71192	247.00337	114.98012	10.23588	0.1559118	0.17914245	3.1165232	21	3 27.1	20.3
219516 2001 OZ_{50}	16.3	X	30.37700	14.54679	350.86127	6.58468	0.2182061	0.25712464	2.4492903	21	—	—
219517 2001 OH_{89}	15.9	X	148.26997	240.02901	133.27138	10.49701	0.3257983	0.22216723	2.6999106	21	3 1.7	20.6
219518 2001 PK_{20}	15.9	X	307.60417	254.34489	88.05748	13.36923	0.2016324	0.24235290	2.5478307	21	6 14.4	18.9
219519 2001 QV_{44}	16.8	X	349.91072	297.13917	105.96820	1.01035	0.2743346	0.25337812	2.4733751	21	—	—
219520 2001 QG_{54}	16.1	X	36.14151	354.76963	22.32124	5.61072	0.1954921	0.25734439	2.4478957	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219521 2001 QH_{54}	16.7	X	37.79034	188.64738	128.53791	12.84381	0.2144245	0.25206709	2.4819438	21	11 20.2	20.0
219522 2001 QH_{83}	16.3	X	108.55162	59.57495	285.70215	4.73377	0.3307216	0.26224709	2.4172910	21	—	—
219523 2001 QS_{84}	15.0	X	184.96386	89.05438	21.60544	27.92418	0.3683970	0.23010072	2.6374895	21	7 26.4	20.6
219524 2001 QZ_{93}	16.6	X	308.06887	84.26625	277.76359	5.31104	0.2933720	0.24052253	2.5607403	21	6 27.4	19.1
219525 2001 QG_{97}	16.2	X	348.79211	16.76578	341.17934	9.91116	0.2073305	0.24672756	2.5176244	21	10 7.0	18.3
219526 2001 QE_{117}	16.0	X	315.67584	79.88557	298.89183	5.06347	0.2164738	0.24401985	2.5362143	21	8 20.9	18.3
219527 2001 QK_{142}	16.7	X	26.67113	319.56057	40.49285	5.78126	0.5376815	0.25190492	2.4830089	21	—	—
219528 2001 QL_{149}	17.5	X	76.93981	96.10543	331.84112	20.36357	0.0610190	0.37134533	1.9169792	21	—	—
219529 2001 QC_{169}	16.5	X	330.61783	170.05523	159.32354	17.41324	0.2318519	0.24106575	2.5568920	21	7 4.7	19.3
219530 2001 QE_{171}	16.4	X	233.58140	83.70638	352.93638	4.14363	0.2587747	0.23514020	2.5996694	21	7 15.6	20.6
219531 2001 QN_{173}	17.2	X	160.23229	70.14589	217.76997	6.06133	0.1707145	0.26518395	2.3994106	21	—	—
219532 2001 QF_{177}	16.9	X	238.98992	271.75010	164.41581	4.00106	0.1997134	0.24007741	2.5639046	21	7 24.0	20.9
219533 2001 QO_{184}	15.7	X	299.24343	174.22240	191.16127	14.29671	0.1689166	0.24382279	2.5375806	21	7 7.5	19.0
219534 2001 QH_{188}	15.6	X	357.99615	114.82451	314.41788	9.43749	0.2523570	0.25438083	2.4668711	21	—	—
219535 2001 QZ_{195}	16.6	X	144.45585	134.35062	227.61052	19.80931	0.0830848	0.36813856	1.9280953	21	—	—
219536 2001 QV_{199}	16.2	X	314.88350	136.21010	223.87831	7.99875	0.2218735	0.24041344	2.5615149	21	7 18.5	18.9
219537 2001 QR_{201}	16.0	X	25.66736	65.35638	335.71520	10.79584	0.1966062	0.25650944	2.4532048	21	—	—
219538 2001 QR_{229}	16.1	X	289.94959	170.63037	243.77065	5.03558	0.2053541	0.24480287	2.5308032	21	8 26.1	19.0
219539 2001 QL_{238}	17.1	X	62.57312	81.94480	349.64442	18.70923	0.1176115	0.36538059	1.9377856	21	—	—
219540 2001 QD_{248}	16.3	X	304.97895	205.14460	187.56527	6.45947	0.1314835	0.24266682	2.5456330	21	9 2.6	19.2
219541 2001 QZ_{249}	16.1	X	42.93340	234.83919	132.89325	14.21606	0.2304664	0.25648697	2.4533481	21	—	—
219542 2001 QH_{268}	16.9	X	235.70933	325.81328	267.88090	18.02607	0.0396024	0.36366840	1.9438631	21	—	—
219543 2001 QB_{293}	16.0	X	349.32094	41.46460	298.32992	7.70913	0.1100183	0.24419708	2.5349870	21	9 5.6	18.7
219544 2001 RA_{6}	16.6	X	189.59999	50.05231	258.18307	18.41575	0.0534359	0.36757997	1.9300482	21	—	—
219545 2001 RN_{27}	14.1	X	206.27978	311.93372	359.73250	6.40958	0.1851265	0.12417809	3.9789890	21	2 7.7	20.5
219546 2001 RK_{34}	16.3	X	332.04818	215.80976	205.20303	4.75753	0.0450383	0.25576399	2.4579692	21	12 6.1	19.1
219547 2001 RD_{44}	16.4	X	315.06246	287.02048	97.95173	5.60046	0.2235479	0.24312568	2.5424290	21	9 1.9	18.7
219548 2001 RA_{66}	16.2	X	300.06809	207.07609	206.52516	14.28285	0.1159544	0.24591082	2.5231958	21	9 26.1	19.1
219549 2001 RT_{73}	18.2	X	318.42118	159.53300	202.90339	6.90697	0.3257407	0.24338173	2.5406455	21	7 10.9	20.6
219550 2001 RQ_{78}	16.0	X	262.15601	16.17584	45.53757	14.80103	0.2387817	0.23776066	2.5805328	21	7 30.5	20.0
219551 2001 RZ_{83}	17.0	X	349.44117	339.93864	175.93910	22.40024	0.0555575	0.36910869	1.9247155	21	—	—
219552 2001 RY_{107}	17.0	X	341.53181	136.36371	157.51812	3.32170	0.1715796	0.24106043	2.5569296	21	6 10.9	19.4
219553 2001 RL_{115}	17.0	X	181.00281	259.23808	151.37715	5.77261	0.1557054	0.28028347	2.3124431	21	4 29.6	20.5
219554 2001 RM_{123}	16.7	X	219.56959	259.90850	165.22248	5.63714	0.0781700	0.23810036	2.5780778	21	6 29.9	20.4
219555 2001 RA_{125}	14.5	X	233.06322	161.40689	119.01656	3.05810	0.2031953	0.12448615	3.9724219	21	1 23.0	20.9
219556 2001 RM_{127}	16.4	X	130.75188	251.72845	59.49506	3.93762	0.1714920	0.26273510	2.4142968	21	—	—
219557 2001 RL_{132}	17.0	X	6.90733	291.07304	17.21072	7.42030	0.2335151	0.24562798	2.5251324	21	9 10.9	18.9
219558 2001 RE_{142}	16.0	X	310.33835	221.22332	188.89489	27.18871	0.2743329	0.24370671	2.5383863	21	9 18.4	18.2
219559 2001 RK_{154}	16.6	X	276.69954	70.77703	345.91631	16.76610	0.1824162	0.24187183	2.5512079	21	8 19.8	19.9
219560 2001 SX	16.2	X	320.02370	201.59569	198.34673	7.92358	0.1587725	0.24681504	2.5170295	21	10 11.7	18.6
219561 2001 SC_{26}	16.8	X	128.20529	123.28804	8.65757	6.67361	0.0570191	0.28361861	2.2942790	21	6 8.1	19.8
219562 2001 SO_{28}	17.3	X	314.85468	346.02254	53.62322	2.31444	0.2132733	0.24554524	2.5256997	21	9 25.3	19.2
219563 2001 SX_{31}	17.5	X	290.50408	213.94310	166.97419	5.12380	0.2531261	0.24062619	2.5600048	21	7 3.6	20.9
219564 2001 SU_{90}	16.6	X	267.59412	241.29785	180.49171	14.03428	0.1856398	0.24277784	2.5448568	21	8 6.6	20.2
219565 2001 SZ_{95}	17.0	X	293.41424	50.86859	351.96080	9.82317	0.1639703	0.24422170	2.5348167	21	8 27.2	19.8
219566 2001 SN_{101}	17.1	X	342.61065	88.16673	353.01802	1.73208	0.1851044	0.25509752	2.4622485	21	—	—
219567 2001 SB_{115}	16.4	X	285.98191	263.73017	167.48025	2.10720	0.1251664	0.24471917	2.5313803	21	9 29.3	19.3
219568 2001 SY_{117}	16.1	X	267.28897	217.90529	220.27807	6.13847	0.2480132	0.24332914	2.5410115	21	8 19.3	19.7
219569 2001 SR_{126}	16.9	X	0.81717	331.73805	341.83264	4.00686	0.1437352	0.24470468	2.5314802	21	8 25.0	19.1
219570 2001 ST_{129}	17.2	X	235.71004	97.91444	204.83249	4.53786	0.1907634	0.27598947	2.3363669	21	1 30.4	21.0
219571 2001 SU_{132}	16.9	X	301.23608	40.89189	351.86380	10.77227	0.2242611	0.24339259	2.5405699	21	8 16.8	19.6
219572 2001 SF_{142}	16.1	X	255.77813	203.03204	251.26343	3.57269	0.2012448	0.24411598	2.5355484	21	9 3.4	19.5
219573 2001 SP_{146}	17.0	X	282.69041	68.01145	0.92020	4.31269	0.2488163	0.24347536	2.5399941	21	8 31.5	20.0
219574 2001 SH_{159}	16.2	X	277.09183	232.05343	201.12683	14.29968	0.0608573	0.24547674	2.5261695	21	9 26.2	19.4
219575 2001 SC_{219}	17.2	X	283.19316	7.33183	35.14314	0.89593	0.1285928	0.24234449	2.5478897	21	8 14.3	20.1
219576 2001 SJ_{221}	16.2	X	210.32103	86.21117	9.06214	11.94159	0.0940577	0.23892348	2.5721532	21	8 2.3	20.2
219577 2001 ST_{221}	17.3	X	328.54553	200.00414	142.08398	2.80609	0.1753160	0.24250010	2.5467996	21	7 28.5	19.5
219578 2001 SQ_{234}	16.9	X	294.69238	318.44986	97.50815	0.94547	0.2154300	0.24324447	2.5416012	21	9 7.1	19.5
219579 2001 SK_{244}	16.5	X	353.17040	178.08210	163.42996	8.44804	0.1847462	0.24421060	2.5348934	21	9 24.9	18.5
219580 2001 SE_{252}	17.3	X	290.74330	239.60861	196.79818	12.10161	0.2508095	0.24387954	2.5371870	21	9 21.8	20.1
219581 2001 SN_{253}	17.4	X	267.14054	261.31677	45.18099	5.61685	0.2474556	0.27947150	2.3169200	21	3 3.3	21.2
219582 2001 SK_{304}	17.9	X	274.83891	236.82002	187.64016	4.49590	0.2597162	0.24171430	2.5523163	21	8 9.7	21.3
219583 2001 SM_{311}	17.1	X	65.79686	235.90031	186.95039	21.55399	0.0926685	0.36324341	1.9453790	21	—	—
219584 2001 SS_{317}	17.1	X	0.78099	28.92225	56.88790	3.14100	0.1718864	0.25713368	2.4492328	21	—	—
219585 2001 SB_{328}	16.6	X	289.92446	303.35219	112.52788	4.69515	0.1512142	0.24491321	2.5300431	21	9 11.5	19.5
219586 2001 SL_{337}	17.2	X	26.72998	120.41246	172.74608	9.88727	0.1377530	0.24594349	2.5229724	21	9 11.8	20.0
219587 2001 TH_{3}	17.1	X	286.69617	139.72511	239.48387	2.80413	0.1899227	0.23921661	2.5700515	21	7 6.3	20.2
219588 2001 TJ_{8}	16.4	X	288.81716	60.06216	345.81912	5.81555	0.2992416	0.24015585	2.5633462	21	7 30.6	19.5
219589 2001 TA_{18}	16.2	X	324.14644	310.96480	44.25213	8.63234	0.2274620	0.24071253	2.5593926	21	8 6.1	18.6
219590 2001 TQ_{18}	16.7	X	301.44472	278.85609	57.64675	5.86218	0.2534228	0.23784099	2.5799517	21	5 18.4	19.8
219591 2001 TB_{22}	15.7	X	284.11357	305.35087	121.91606	15.71111	0.2317403	0.24268080	2.5455352	21	9 6.6	18.8
219592 2001 TS_{31}	15.6	X	284.41362	347.09738	25.73574	16.50206	0.2214882	0.23691707	2.5866548	21	6 17.6	19.4
219593 2001 TN_{34}	15.1	X	124.75446	217.59977	237.14804	21.06637	0.0211390	0.22316864	2.6918278	21	4 9.3	19.0
219594 2001 TC_{35}	16.2	X	243.72701	26.98946	30.12807	13.09696	0.1688021	0.23443952	2.6048467	21	7 9.7	20.4
219595 2001 TR_{39}	15.4	X	354.26516	359.70098	16.80296	10.71825	0.1136238	0.24434483	2.5339650	21	11 8.4	18.2
219596 2001 TE_{40}	15.7	X	211.38615	2.06096	42.46241	15.88957	0.1933476	0.22763200	2.6565246	21	5 18.1	20.1
219597 2001 TJ_{44}	14.9	X	348.99130	26.20716	323.91277	8.60396	0.2026782	0.24005483	2.5640653	21	9 23.3	17.0
219598 2001 TF_{49}	16.1	X	217.32224	170.98465	262.34576	4.99451	0.2638013	0.23369803	2.6103536	21	6 26.7	20.5
219599 2001 TL_{55}	16.8	X	266.89538	230.04540	188.20988	6.03541	0.1234151	0.24060290	2.5601700	21	8 11.5	20.3
219600 2001 TO_{57}	15.8	X	144.36864	330.95121	202.70869	9.61939	0.1001036	0.24014258	2.5634407	21	8 25.3	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219601 2001 TK_{64}	16.8	X	297.73104	231.40694	213.36313	11.12954	0.2735840	0.24532376	2.5272196	21	10 15.4	18.9
219602 2001 TU_{81}	16.9	X	339.19653	37.46790	294.43073	3.60956	0.2053881	0.24314449	2.5422978	21	8 2.7	19.0
219603 2001 TO_{84}	16.8	X	268.41457	57.04576	17.84527	1.20397	0.1531152	0.24219478	2.5489395	21	9 3.2	19.8
219604 2001 TB_{85}	16.8	X	276.69426	199.03502	210.66673	4.29736	0.1907900	0.24017706	2.5631953	21	8 2.5	20.3
219605 2001 TD_{85}	17.0	X	284.36648	158.29192	201.39885	1.79551	0.1230302	0.23648692	2.5897905	21	6 16.9	20.2
219606 2001 TN_{91}	16.8	X	276.10652	64.79339	321.13616	1.88157	0.0504746	0.23870840	2.5736980	21	7 23.9	20.2
219607 2001 TT_{91}	16.8	X	322.66324	181.89027	209.60498	11.97804	0.2131902	0.24538683	2.5267865	21	9 26.9	18.9
219608 2001 TO_{94}	16.5	X	271.93919	111.47276	305.14611	2.80818	0.2223856	0.24008263	2.5638674	21	8 2.2	20.0
219609 2001 TD_{95}	16.8	X	268.86610	214.71987	227.27258	6.03148	0.2424342	0.24165849	2.5527092	21	8 27.1	20.3
219610 2001 TN_{96}	16.3	X	1.54728	75.79869	224.14255	10.74893	0.2726268	0.24190014	2.5510089	21	8 6.1	18.2
219611 2001 TF_{101}	16.7	X	279.82866	6.48073	17.38928	4.93909	0.2887034	0.23692419	2.5866030	21	6 18.6	20.4
219612 2001 TX_{107}	15.0	X	328.55017	142.84559	257.81266	9.61648	0.2330115	0.24263663	2.5458441	21	10 25.0	17.0
219613 2001 TC_{108}	15.1	X	248.18205	351.62039	71.91775	15.35115	0.2742031	0.23331583	2.6132036	21	7 10.0	19.4
219614 2001 TO_{113}	16.8	X	317.51603	34.92130	7.12353	7.39295	0.2742999	0.24410962	2.5355924	21	9 26.4	18.3
219615 2001 TH_{119}	15.9	X	203.19819	136.26129	307.05220	12.07568	0.1479230	0.23434488	2.6055479	21	7 3.5	20.1
219616 2001 TM_{119}	15.8	X	230.97276	145.93228	292.28325	12.25992	0.1333471	0.23758668	2.5817924	21	7 24.7	19.7
219617 2001 TP_{119}	15.8	X	311.47772	137.07382	254.37155	14.21385	0.1175123	0.24382477	2.5375669	21	9 7.1	19.0
219618 2001 TY_{120}	16.2	X	318.23360	350.64025	347.03889	13.21405	0.2470181	0.23971819	2.5664652	21	6 18.2	19.1
219619 2001 TY_{123}	16.0	X	310.41792	180.99254	215.91902	17.72424	0.2191903	0.24453368	2.5326602	21	9 1.4	18.9
219620 2001 TM_{131}	15.7	X	27.53975	353.85105	51.93482	8.88298	0.2001770	0.25749653	2.4469314	21	—	—
219621 2001 TJ_{172}	16.8	X	338.52578	170.73636	201.44205	13.09025	0.1459623	0.24544463	2.5263898	21	10 7.3	19.1
219622 2001 TP_{191}	16.9	X	268.79998	149.78048	266.00470	2.48423	0.1827096	0.23830091	2.5766311	21	8 2.4	20.4
219623 2001 TY_{193}	16.6	X	206.58798	236.75505	242.49673	2.66429	0.1131596	0.23904110	2.5713094	21	8 22.4	20.5
219624 2001 TS_{201}	16.6	X	6.54158	231.96321	100.30643	7.34240	0.1178879	0.24538585	2.5267932	21	10 5.5	19.4
219625 2001 TY_{205}	15.9	X	325.13069	288.23098	119.84678	12.46523	0.1894578	0.24623923	2.5209519	21	11 9.3	18.3
219626 2001 TW_{206}	16.6	X	79.46719	51.12080	224.50564	1.93904	0.0347041	0.24743876	2.5127979	21	10 18.1	19.8
219627 2001 TU_{210}	16.2	X	13.73647	40.20233	266.59068	6.91650	0.0813586	0.24277073	2.5449065	21	8 29.3	19.3
219628 2001 TB_{211}	15.8	X	346.68250	157.90207	270.81844	8.54997	0.1672547	0.25410448	2.4686594	21	—	—
219629 2001 TC_{224}	16.4	X	340.45477	42.09101	280.80500	3.51282	0.1113430	0.23876135	2.5733175	21	7 28.0	19.0
219630 2001 TZ_{235}	16.3	X	274.44729	304.48393	134.94216	8.71703	0.1205228	0.24293960	2.5437270	21	9 26.4	19.4
219631 2001 TX_{240}	16.2	X	350.35522	38.51289	277.10466	5.84877	0.2925246	0.24031536	2.5622118	21	7 31.8	17.5
219632 2001 UC_{11}	16.4	X	222.74409	240.57347	191.08213	4.86851	0.2226547	0.23220519	2.6215296	21	7 1.1	20.8
219633 2001 UN_{17}	17.2	X	182.60589	332.72964	358.37379	20.09113	0.0783396	0.36870190	1.9261309	21	—	—
219634 2001 UK_{33}	16.2	X	262.58285	305.97807	123.90089	5.79292	0.2413010	0.23914943	2.5705328	21	8 6.3	19.7
219635 2001 UV_{33}	16.3	X	299.84994	315.92294	63.39124	12.75606	0.1474579	0.24005324	2.5640766	21	8 8.6	19.5
219636 2001 UD_{57}	16.6	X	230.87831	240.93213	229.84391	2.36243	0.0534295	0.24303081	2.5430906	21	9 15.9	19.9
219637 2001 UP_{63}	16.2	X	356.24064	125.53291	220.83711	5.78223	0.0979676	0.24365625	2.5387368	21	9 29.4	19.0
219638 2001 UB_{65}	16.3	X	327.27570	5.46397	29.67422	11.74552	0.2187211	0.24472779	2.5313208	21	10 17.9	18.1
219639 2001 UF_{66}	16.6	X	290.05230	346.72820	37.17275	7.64029	0.3489991	0.23879627	2.5730665	21	6 21.9	20.2
219640 2001 UR_{70}	17.1	X	192.29320	226.38767	223.09853	2.41305	0.0423721	0.23345837	2.6121398	21	7 1.9	20.8
219641 2001 UQ_{76}	16.4	X	307.59855	267.82518	45.95107	12.00420	0.2147762	0.23491864	2.6013038	21	5 2.9	19.6
219642 2001 UW_{76}	16.6	X	342.82405	259.07295	46.69732	13.80827	0.2168204	0.23855953	2.5747686	21	6 27.4	19.0
219643 2001 UX_{76}	16.3	X	200.62487	43.09222	70.40917	4.77449	0.1256636	0.23631164	2.5910709	21	8 10.7	20.3
219644 2001 UW_{81}	16.8	X	306.26288	311.65855	44.49789	2.82011	0.2560212	0.23934861	2.5691065	21	6 22.4	19.7
219645 2001 UA_{82}	16.2	X	197.46187	275.12673	214.24256	8.73618	0.2524114	0.23547771	2.5971848	21	8 16.9	20.8
219646 2001 UF_{101}	17.2	X	208.95666	247.05837	188.44910	2.22214	0.2103375	0.23418286	2.6067496	21	6 24.9	21.7
219647 2001 UE_{114}	16.5	X	324.77541	312.44064	53.93864	4.65504	0.1835596	0.24226926	2.5484171	21	8 30.4	18.8
219648 2001 UH_{119}	16.3	X	301.28806	309.90422	67.70624	4.93559	0.1301224	0.23876693	2.5732773	21	8 8.3	19.2
219649 2001 US_{127}	15.3	X	295.02245	187.62159	216.70120	13.05669	0.1694996	0.23938387	2.5688542	21	8 22.9	18.7
219650 2001 US_{134}	16.5	X	101.04559	303.40899	223.34922	4.67740	0.0173057	0.23168506	2.6254517	21	6 16.8	19.9
219651 2001 UD_{160}	16.6	X	302.24810	307.52849	55.99315	14.23065	0.2121561	0.23788190	2.5796559	21	7 4.5	19.8
219652 2001 UB_{162}	15.2	X	314.95501	124.87528	234.71875	21.21455	0.0785925	0.23658266	2.5890917	21	7 31.4	18.9
219653 2001 UC_{172}	16.8	X	273.44524	67.41775	35.49511	1.49010	0.1162093	0.24721977	2.5142816	21	10 25.5	19.6
219654 2001 UR_{173}	16.8	X	297.86548	186.46780	196.69231	3.99500	0.0534377	0.23930014	2.5694534	21	8 18.8	20.0
219655 2001 UY_{213}	15.9	X	291.86956	242.19418	122.94219	15.72820	0.1771832	0.23842955	2.5757042	21	6 27.3	19.2
219656 2001 UU_{217}	17.1	X	232.85817	272.58182	164.56409	8.30278	0.2042104	0.23676557	2.5877582	21	7 18.2	21.2
219657 2001 VA_{2}	15.5	X	278.57837	304.50644	86.95524	12.95635	0.2551572	0.23504965	2.6003370	21	7 2.3	19.1
219658 2001 VD_{3}	17.1	X	207.08869	94.01214	304.09628	1.52054	0.1224534	0.22885845	2.6470252	21	5 9.6	21.1
219659 2001 VK_{6}	16.9	X	237.62084	218.23555	232.63700	3.48557	0.1184200	0.23836859	2.5761434	21	8 19.2	20.6
219660 2001 VC_{11}	15.7	X	237.63325	44.56523	23.79623	13.82199	0.1643383	0.23542937	2.5975402	21	7 20.4	19.9
219661 2001 VA_{12}	15.2	X	337.64333	63.06427	278.18237	13.15868	0.1029729	0.23866154	2.5740348	21	8 14.4	18.2
219662 2001 VM_{12}	15.6	X	353.26747	69.58444	316.96234	7.76113	0.1808155	0.24682600	2.5169550	21	11 30.5	18.2
219663 2001 VZ_{13}	15.5	X	4.87343	302.34647	38.70067	16.06426	0.1535488	0.24329094	2.5412775	21	10 17.9	18.1
219664 2001 VM_{17}	16.8	X	218.18263	224.04329	226.68596	3.38890	0.2370363	0.23316791	2.6143087	21	7 19.9	21.2
219665 2001 VG_{19}	16.9	X	325.13747	323.22933	40.55447	3.76683	0.1984288	0.24163954	2.5528427	21	8 24.5	19.1
219666 2001 VG_{25}	16.9	X	298.84384	138.44900	271.50802	1.19686	0.2319354	0.24136265	2.5547947	21	9 1.5	19.6
219667 2001 VZ_{33}	16.2	X	327.37756	325.30521	65.46008	7.76198	0.2149843	0.24307195	2.5428036	21	10 14.0	18.2
219668 2001 VQ_{37}	15.7	X	302.62574	187.91723	222.23059	4.81105	0.1817634	0.24090558	2.5580252	21	9 15.9	18.3
219669 2001 VJ_{39}	16.2	X	337.98149	299.26955	100.43849	0.97632	0.1518574	0.24576455	2.5241969	21	11 17.9	18.5
219670 2001 VW_{49}	16.1	X	222.14827	118.57147	323.81826	6.74209	0.1797554	0.23531583	2.5983757	21	7 18.7	20.2
219671 2001 VS_{50}	16.1	X	251.76334	86.94909	312.65167	5.58948	0.1831181	0.23522687	2.5990308	21	6 22.2	20.1
219672 2001 VB_{80}	15.7	X	231.27932	146.30795	267.45222	3.17400	0.2460425	0.23078213	2.6322953	21	6 14.9	20.2
219673 2001 VH_{88}	15.7	X	282.87077	211.12653	226.84128	11.93446	0.2618693	0.23892951	2.5721099	21	9 4.4	19.0
219674 2001 VV_{91}	16.1	X	212.06288	247.21022	187.96125	12.76981	0.1701589	0.23222680	2.6213670	21	6 28.5	20.6
219675 2001 VK_{92}	16.1	X	312.90636	248.08540	99.51567	16.23696	0.1791235	0.23739185	2.5832048	21	7 5.2	18.6
219676 2001 VY_{104}	17.0	X	324.19445	124.68880	250.20102	4.27549	0.2549117	0.24245457	2.5471184	21	8 28.3	19.0
219677 2001 VR_{105}	15.8	X	179.24977	154.42952	253.71897	10.27776	0.0693899	0.22453211	2.6809193	21	4 20.9	19.9
219678 2001 VB_{117}	16.9	X	241.31459	33.74323	35.53980	5.01785	0.2418589	0.23445888	2.6047033	21	7 14.8	21.2
219679 2001 VA_{121}	16.1	X	215.96331	23.40576	54.44971	5.82861	0.2757054	0.23036977	2.6354355	21	6 30.9	20.8
219680 2001 WS_{14}	17.0	X	184.60178	188.84790	284.14256	1.42372	0.0860752	0.23210352	2.6222951	21	7 23.3	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219681 2001 WH_{18}	16.7	X	318.66300	111.70874	228.38698	3.62677	0.1574875	0.23848484	2.5753061	21	7 7.4	19.4
219682 2001 WA_{26}	16.0	X	330.37103	138.70190	224.68863	9.96368	0.1458769	0.24191149	2.5509291	21	9 1.9	18.8
219683 2001 WM_{32}	16.2	X	324.94608	258.33468	84.41246	5.98322	0.2251782	0.23925490	2.5697773	21	7 15.1	18.4
219684 2001 WO_{34}	15.9	X	300.20802	254.42650	130.14958	4.39258	0.1447692	0.23876752	2.5732731	21	8 12.7	18.9
219685 2001 WR_{36}	16.4	X	309.89256	313.34636	56.84844	12.81475	0.2032129	0.24029891	2.5623288	21	8 3.6	19.4
219686 2001 WE_{37}	17.1	X	292.69990	305.12776	72.83478	5.53923	0.2671024	0.23894847	2.5719738	21	6 30.8	20.3
219687 2001 WV_{37}	16.3	X	297.94603	229.32684	83.36576	4.05204	0.1436006	0.23069966	2.6329226	21	4 30.5	19.7
219688 2001 WW_{37}	16.2	X	323.29946	232.67325	71.15015	8.45131	0.2088445	0.23381207	2.6095048	21	5 16.0	18.9
219689 2001 WY_{38}	16.8	X	241.88141	272.23632	132.65355	4.45013	0.2194347	0.23248828	2.6194011	21	6 15.5	20.9
219690 2001 WD_{52}	15.6	X	6.56720	341.66279	228.98997	12.19711	0.1148913	0.22475147	2.6791746	21	3 29.5	18.7
219691 2001 WG_{61}	16.9	X	278.86740	343.50577	31.81289	3.17477	0.1410310	0.23551354	2.5969213	21	6 28.3	20.3
219692 2001 WT_{92}	16.9	X	282.46921	191.81587	236.76365	3.11275	0.1701563	0.24163790	2.5528542	21	9 10.2	20.0
219693 2001 XX_{1}	15.7	X	206.16410	121.25102	348.91722	24.23943	0.3091342	0.23444666	2.6047938	21	8 9.8	20.7
219694 2001 XM_{11}	15.8	X	112.64393	170.83026	323.53155	11.52524	0.0987186	0.22560972	2.6723756	21	5 29.2	19.8
219695 2001 XO_{16}	15.6	X	215.60889	183.84856	258.66015	12.15044	0.1016557	0.23057465	2.6338741	21	7 14.6	19.7
219696 2001 XW_{18}	16.0	X	232.48249	3.60483	74.08507	14.73717	0.2313700	0.23288295	2.6164409	21	7 18.4	20.4
219697 2001 XP_{20}	15.7	X	225.00742	338.26890	69.39876	14.03180	0.2793597	0.22955984	2.6416307	21	5 31.3	20.3
219698 2001 XF_{21}	15.5	X	265.73931	118.48298	346.67987	5.48887	0.1533992	0.23991191	2.5650835	21	10 8.5	18.8
219699 2001 XS_{21}	16.0	X	135.45085	125.42570	319.46803	6.87796	0.1728957	0.21959914	2.7209191	21	4 28.7	20.3
219700 2001 XS_{26}	15.8	X	266.34460	76.87573	6.77149	3.66720	0.2767887	0.23603027	2.5931297	21	8 24.7	19.3
219701 2001 XA_{30}	15.8	X	329.66644	240.83287	157.27318	4.30239	0.2395512	0.24233590	2.5479499	21	10 29.2	17.5
219702 2001 XL_{33}	16.0	X	355.73930	36.80806	234.21155	16.77541	0.2096452	0.23309388	2.6148621	21	6 3.6	18.3
219703 2001 XB_{35}	15.7	X	326.35518	56.43440	280.15908	11.98375	0.1851412	0.23846946	2.5754169	21	7 13.0	18.2
219704 2001 XJ_{36}	15.9	X	231.23661	164.11766	289.58504	12.06910	0.0296703	0.23665194	2.5885864	21	8 22.9	19.6
219705 2001 XJ_{37}	15.9	X	194.01995	121.74242	32.91541	13.81772	0.1996393	0.23788733	2.5796167	21	9 25.2	20.2
219706 2001 XN_{43}	16.1	X	329.79410	356.36231	10.30759	8.03566	0.2183495	0.24005977	2.5640302	21	9 8.1	18.1
219707 2001 XV_{44}	15.6	X	236.83815	320.36672	72.39234	14.79058	0.1023328	0.22685052	2.6626221	21	6 5.1	19.3
219708 2001 XJ_{47}	16.6	X	328.41504	349.81664	308.13258	22.13891	0.0744517	0.37573577	1.9020168	21	5 20.8	18.9
219709 2001 XX_{49}	16.0	X	296.71007	157.54419	231.66233	1.90380	0.0904783	0.23825256	2.5769797	21	8 20.7	19.1
219710 2001 XW_{50}	16.8	X	338.37151	209.91607	204.25782	0.57671	0.0975940	0.24713427	2.5148614	21	12 6.6	19.4
219711 2001 XY_{50}	16.5	X	206.25196	229.06462	245.02838	5.09806	0.1447387	0.23466149	2.6032038	21	8 12.1	20.7
219712 2001 XQ_{57}	15.8	X	274.65886	307.30064	96.03857	7.01495	0.1131954	0.23577110	2.5950297	21	8 6.2	19.1
219713 2001 XG_{72}	16.4	X	324.34177	190.02546	170.79337	1.43582	0.1317132	0.23951111	2.5679443	21	8 22.6	19.1
219714 2001 XO_{74}	16.5	X	218.63645	337.37512	103.82661	3.78060	0.1991345	0.23286556	2.6165711	21	7 11.5	20.8
219715 2001 XE_{83}	16.3	X	303.47985	240.20516	136.58324	3.69646	0.1135100	0.23689459	2.5868185	21	8 11.3	19.3
219716 2001 XW_{83}	16.3	X	221.50501	223.20839	232.94246	4.11206	0.1980346	0.23323518	2.6138060	21	7 31.9	20.6
219717 2001 XH_{95}	16.5	X	257.27487	358.75833	71.71953	5.19727	0.1875326	0.23690067	2.5867742	21	8 9.7	20.2
219718 2001 XL_{97}	16.6	X	326.58478	318.15531	73.59595	8.72380	0.2799622	0.24318669	2.5420037	21	10 10.9	18.3
219719 2001 XR_{105}	16.0	X	109.26117	40.15077	115.71778	6.29289	0.0411214	0.22527724	2.6750044	21	6 17.1	19.6
219720 2001 XV_{109}	16.3	X	320.29763	284.45296	86.37808	9.93152	0.1338371	0.24076876	2.5589941	21	9 4.7	19.2
219721 2001 XH_{113}	16.8	X	262.08224	191.32403	198.44606	6.64105	0.2771109	0.23413578	2.6070990	21	6 9.8	20.9
219722 2001 XU_{114}	15.6	X	220.31740	322.23496	70.91895	10.94617	0.0863545	0.22532755	2.6746062	21	5 20.5	19.5
219723 2001 XK_{122}	17.1	X	301.76549	281.85283	96.45763	1.09835	0.2142056	0.23929950	2.5694580	21	7 25.3	19.6
219724 2001 XB_{126}	16.4	X	206.55411	238.67087	223.03418	6.04265	0.0279592	0.23469755	2.6029372	21	8 4.4	20.0
219725 2001 XE_{126}	16.7	X	298.52582	147.72593	229.57863	3.12054	0.1927554	0.23826932	2.5768588	21	7 20.9	19.7
219726 2001 XD_{127}	16.2	X	353.49025	68.97258	218.91359	4.23503	0.0438842	0.23179068	2.6246541	21	7 1.5	19.5
219727 2001 XK_{128}	16.9	X	300.36405	295.65037	97.43307	3.62427	0.2178930	0.23984416	2.5655665	21	8 14.2	19.5
219728 2001 XA_{132}	15.9	X	325.43533	62.16723	252.54103	7.81611	0.0641011	0.23150459	2.6268160	21	6 24.3	19.2
219729 2001 XU_{138}	16.2	X	254.54344	237.25009	164.64561	2.59565	0.0806384	0.23267811	2.6179762	21	7 11.3	19.8
219730 2001 XE_{140}	15.8	X	24.19506	243.91992	87.33401	3.75127	0.1917874	0.24314676	2.5422820	21	11 10.4	18.7
219731 2001 XU_{145}	15.9	X	262.17671	244.89991	82.01750	9.68126	0.1898359	0.22517759	2.6757935	21	4 5.7	20.2
219732 2001 XN_{152}	15.5	X	232.35949	198.57606	252.64636	9.80937	0.1294455	0.23453017	2.6041754	21	8 9.5	19.5
219733 2001 XR_{153}	16.6	X	225.67356	354.16293	96.26219	4.11198	0.1266622	0.23348427	2.6119466	21	8 6.3	20.4
219734 2001 XH_{163}	16.7	X	283.98093	250.11755	123.87683	2.56012	0.2266238	0.23485998	2.6017368	21	6 19.8	20.1
219735 2001 XX_{170}	16.3	X	178.85284	194.88850	244.15743	3.68039	0.0812887	0.22608347	2.6686411	21	6 2.5	20.3
219736 2001 XK_{171}	16.6	X	262.02752	164.20165	196.20768	1.80928	0.3241789	0.23150109	2.6268424	21	4 29.4	20.9
219737 2001 XM_{174}	15.9	X	145.38367	206.90822	242.27379	4.64616	0.0304028	0.22092642	2.7100103	21	5 3.4	19.7
219738 2001 XY_{189}	15.8	X	244.00622	285.40034	118.57553	10.30974	0.2013385	0.22992036	2.6388686	21	6 18.5	20.0
219739 2001 XY_{190}	16.1	X	199.30575	307.84656	113.35651	3.41206	0.1330838	0.22479990	2.6787898	21	6 1.2	20.3
219740 2001 XE_{212}	16.3	X	126.23699	253.23611	204.41951	4.35723	0.1253122	0.22124807	2.7073832	21	5 3.4	20.2
219741 2001 XF_{224}	16.5	X	317.87621	337.36207	17.79570	0.52202	0.1880935	0.23841710	2.5757939	21	7 25.1	18.8
219742 2001 XQ_{224}	16.2	X	291.42391	277.19024	58.06132	15.89876	0.2666340	0.23334071	2.6130178	21	5 4.7	20.0
219743 2001 XZ_{233}	15.7	X	324.71726	84.93535	267.64569	6.15132	0.2164590	0.23838929	2.5759943	21	7 29.5	18.0
219744 2001 XW_{238}	16.1	X	320.00973	85.50900	311.90973	1.02856	0.2047628	0.24095200	2.5576966	21	10 2.0	18.3
219745 2001 XA_{239}	15.7	X	127.92995	161.65650	269.79368	11.99643	0.1767200	0.21855727	2.7295594	21	4 1.9	20.1
219746 2001 XQ_{239}	16.3	X	309.02198	4.48137	15.99017	2.76589	0.3027689	0.23889241	2.5723762	21	7 26.5	18.6
219747 2001 XT_{247}	16.1	X	217.02067	193.86885	276.30651	2.94611	0.2153823	0.23368329	2.6104634	21	8 13.7	20.5
219748 2001 XZ_{247}	16.1	X	201.11023	272.99799	175.33516	16.83251	0.2779280	0.23091425	2.6312911	21	7 1.7	21.1
219749 2001 XN_{256}	16.5	X	323.13530	173.79686	199.58768	11.08659	0.2616715	0.24210706	2.5495551	21	8 20.3	18.8
219750 2001 YE	15.7	X	229.41498	257.14440	108.27282	14.94640	0.1093441	0.22082137	2.7108697	21	4 29.6	20.1
219751 2001 YL_{8}	15.7	X	296.12233	246.21389	106.52213	13.40232	0.1204405	0.23177688	2.6247582	21	6 25.1	18.9
219752 2001 YK_{13}	17.2	X	258.63657	184.50790	216.70873	0.27238	0.2157554	0.23454704	2.6040506	21	6 27.7	20.9
219753 2001 YN_{22}	15.8	X	286.18921	313.67536	82.26987	16.14659	0.1996659	0.23714374	2.5850063	21	7 30.4	19.2
219754 2001 YD_{26}	16.3	X	300.20312	280.57220	69.44293	13.93607	0.2483909	0.23572867	2.5953411	21	6 5.0	19.3
219755 2001 YR_{26}	17.0	X	299.77325	316.81752	40.61457	2.87304	0.2505458	0.23657517	2.5891464	21	6 14.7	20.3
219756 2001 YK_{28}	16.3	X	211.87225	114.26729	262.66812	5.02253	0.0475992	0.22455923	2.6807035	21	4 18.9	20.1
219757 2001 YQ_{32}	16.2	X	217.92542	317.39327	65.85083	7.17288	0.0844077	0.22574357	2.6713192	21	5 5.4	20.2
219758 2001 YW_{33}	16.5	X	207.00364	121.54440	350.03210	1.95991	0.1021936	0.23403903	2.6078175	21	8 15.1	20.2
219759 2001 YP_{60}	15.8	X	340.46649	76.27378	300.03683	3.07551	0.2702168	0.24283593	2.5444510	21	10 20.4	17.4
219760 2001 YQ_{60}	15.9	X	247.92518	318.66938	68.96381	5.32058	0.1443379	0.22966010	2.6408618	21	6 6.4	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219761 2001 YR_{76}	16.1	X	158.11098	174.43917	310.75474	4.56909	0.1164616	0.22708783	2.6607668	21	7 11.6	20.2
219762 2001 YJ_{79}	16.1	X	208.34157	292.42834	80.93582	6.96108	0.0978190	0.21988997	2.7185194	21	4 14.6	20.3
219763 2001 YH_{86}	16.5	X	185.16938	124.71484	313.52829	2.06459	0.1036729	0.22448916	2.6812613	21	6 8.3	20.5
219764 2001 YK_{87}	15.9	X	190.17704	175.99680	270.61829	13.13017	0.2198474	0.22547783	2.6734177	21	6 23.0	20.5
219765 2001 YO_{91}	15.6	X	246.60905	319.18359	107.55055	14.52623	0.2184821	0.23213511	2.6220572	21	7 18.3	19.5
219766 2001 YS_{93}	17.0	X	290.93865	139.81174	219.73935	2.00738	0.2485184	0.23644861	2.5900702	21	6 5.8	20.2
219767 2001 YY_{96}	15.6	X	294.80160	233.66264	75.21911	16.18522	0.2074867	0.22900929	2.6458627	21	4 18.5	19.5
219768 2001 YZ_{108}	15.6	X	281.20385	331.37610	50.94345	4.22552	0.1822085	0.23459803	2.6036732	21	7 4.9	19.1
219769 2001 YY_{125}	15.8	X	166.32305	80.60006	349.16220	5.93052	0.1181657	0.22316670	2.6918434	21	5 7.4	20.0
219770 2001 YZ_{130}	16.2	X	226.44681	2.51129	65.22495	8.55256	0.2851558	0.23068939	2.6330007	21	6 25.7	20.7
219771 2001 YZ_{135}	15.7	X	264.71867	69.79249	343.02997	11.88898	0.1779372	0.23750503	2.5823841	21	7 28.9	19.3
219772 2001 YX_{137}	15.8	X	179.10292	71.05158	21.46824	11.67679	0.1621802	0.22582005	2.6707160	21	6 20.3	20.3
219773 2001 YD_{138}	14.7	X	30.10215	306.68447	21.26721	13.85867	0.2082576	0.24226082	2.5484762	21	11 12.7	17.8
219774 2001 YY_{145}	15.9	X	333.59941	18.49999	315.59766	9.60273	0.1329111	0.23767851	2.5811274	21	7 31.6	18.5
219775 2002 AU_{2}	17.1	X	342.50668	149.00685	331.31228	17.56556	0.0820096	0.35275767	1.9837415	21	—	—
219776 2002 AX_{4}	16.3	X	81.15167	126.83139	2.77243	3.76742	0.1084722	0.21461863	2.7628530	21	4 14.4	19.9
219777 2002 AY_{5}	15.6	X	57.14199	220.44978	284.15724	14.45289	0.0911879	0.21578465	2.7528911	21	3 18.9	19.3
219778 2002 AQ_{8}	15.9	X	250.90229	118.11049	328.65732	27.35075	0.3805904	0.23332994	2.6130982	21	8 6.0	20.4
219779 2002 AS_{13}	15.6	X	215.83382	332.26525	124.99200	13.62740	0.2499148	0.22908188	2.6453038	21	7 25.9	19.9
219780 2002 AF_{15}	15.9	X	255.63889	334.43704	37.91892	13.66396	0.2992619	0.22959703	2.6413455	21	5 9.4	20.3
219781 2002 AA_{25}	16.3	X	307.30749	207.09871	194.18240	4.16961	0.2716121	0.23839624	2.5759442	21	8 27.9	18.6
219782 2002 AB_{28}	16.1	X	44.90722	189.57938	328.84898	7.72529	0.2376069	0.21269574	2.7794798	21	4 7.8	18.8
219783 2002 AL_{28}	15.5	X	167.19371	117.99576	353.01045	11.52356	0.1116403	0.22469642	2.6796122	21	7 3.8	19.8
219784 2002 AK_{30}	16.3	X	93.03520	252.06207	261.84174	2.04777	0.1311168	0.22055246	2.7130728	21	6 6.3	19.8
219785 2002 AK_{65}	16.2	X	217.72857	206.21450	206.57863	0.91373	0.3357144	0.22639983	2.6661545	21	5 30.2	21.1
219786 2002 AY_{76}	16.6	X	319.70456	352.93190	55.54291	3.46881	0.2354073	0.24153928	2.5535491	21	10 18.3	18.4
219787 2002 AB_{83}	16.7	X	229.14483	293.48093	173.43387	5.16308	0.1841424	0.23449557	2.6044316	21	8 24.0	20.6
219788 2002 AN_{85}	16.1	X	306.59945	178.70106	202.96449	4.59902	0.2984112	0.23722620	2.5844072	21	7 21.9	18.9
219789 2002 AS_{85}	16.1	X	157.92628	230.34527	190.61842	4.54811	0.1051596	0.21854806	2.7296360	21	4 19.7	20.1
219790 2002 AD_{87}	16.3	X	281.38128	273.13963	148.79514	5.84405	0.2618940	0.23690793	2.5867213	21	8 15.7	19.4
219791 2002 AE_{95}	16.5	X	267.51438	47.59665	332.95012	2.18292	0.2808911	0.23177771	2.6247519	21	6 2.1	20.6
219792 2002 AZ_{100}	16.5	X	354.66759	1.59454	60.03913	3.34277	0.1479738	0.24578444	2.5240607	21	—	—
219793 2002 AM_{101}	16.3	X	190.69171	96.91335	308.80811	3.73050	0.1566846	0.22226889	2.6990873	21	5 2.5	20.7
219794 2002 AD_{104}	16.0	X	227.45616	279.85098	111.55532	7.93383	0.1496362	0.22515445	2.6759769	21	5 22.8	20.3
219795 2002 AK_{121}	15.9	X	240.58991	285.27289	120.68293	13.55866	0.2524214	0.22865312	2.6486097	21	6 14.2	20.5
219796 2002 AZ_{132}	16.5	X	145.94347	133.56720	300.17245	6.19138	0.1634799	0.21934433	2.7230259	21	4 24.6	20.9
219797 2002 AD_{133}	16.4	X	140.01240	352.85154	90.82886	2.99208	0.1003444	0.21918151	2.7243743	21	4 28.9	20.3
219798 2002 AW_{135}	16.7	X	208.58646	304.53957	137.63222	3.15923	0.1292437	0.22904508	2.6455872	21	7 6.9	20.7
219799 2002 AA_{142}	16.2	X	211.29931	121.77468	276.18872	5.05909	0.0546331	0.22287516	2.6941903	21	5 16.4	20.0
219800 2002 AD_{146}	16.1	X	273.03875	213.81125	137.18070	3.44971	0.1169137	0.22521113	2.6755279	21	5 23.4	19.8
219801 2002 AY_{146}	16.9	X	224.60225	136.87820	265.04675	0.56205	0.2126654	0.22669123	2.6638692	21	5 27.5	21.2
219802 2002 AC_{150}	16.8	X	308.93860	2.20593	51.04793	3.05478	0.2324509	0.23979997	2.5658817	21	9 29.6	19.0
219803 2002 AX_{151}	15.8	X	306.35902	81.80262	317.46239	3.42752	0.2810378	0.23648267	2.5898215	21	8 21.9	18.3
219804 2002 AF_{155}	15.8	X	272.31404	68.07679	357.01158	5.39041	0.2956818	0.23411816	2.6072298	21	8 4.8	19.4
219805 2002 AN_{157}	16.3	X	148.36490	156.40329	304.06320	4.08891	0.0736185	0.22023513	2.7156783	21	5 25.8	20.4
219806 2002 AZ_{163}	16.4	X	220.30135	155.42401	257.93134	2.23804	0.2019125	0.22525792	2.6751574	21	6 7.7	20.7
219807 2002 AO_{173}	16.7	X	189.21948	101.31236	319.82870	4.27787	0.1367797	0.22248671	2.6973254	21	5 20.7	21.0
219808 2002 AT_{180}	15.3	X	284.99021	62.44676	331.66554	14.27984	0.1119832	0.23513928	2.5996762	21	8 9.5	18.5
219809 2002 AQ_{186}	16.0	X	192.24273	96.48253	328.61807	11.52213	0.1637811	0.22433170	2.6825158	21	5 27.2	20.6
219810 2002 AC_{187}	15.9	X	174.09232	355.81715	64.38386	9.48512	0.2074711	0.22047141	2.7137377	21	5 9.5	20.4
219811 2002 AF_{189}	15.7	X	265.67927	223.21309	198.93829	12.88148	0.2448398	0.23402080	2.6079529	21	7 26.2	19.7
219812 2002 AM_{193}	16.3	X	222.50422	260.08222	107.89954	6.14114	0.1337232	0.21946181	2.7220541	21	4 20.6	20.6
219813 2002 AQ_{197}	15.5	X	281.77172	331.71973	75.31564	14.23809	0.1456306	0.23423980	2.6063271	21	8 20.9	19.0
219814 2002 BA_{3}	16.2	X	160.87418	118.79836	0.64773	12.84864	0.2085158	0.22534587	2.6744613	21	7 12.4	20.9
219815 2002 BX_{4}	15.2	X	169.21599	114.52724	342.83093	16.32260	0.2598574	0.22491344	2.6778882	21	6 20.8	20.2
219816 2002 BD_{23}	15.7	X	231.93691	77.52386	2.05042	10.01611	0.2224201	0.23268648	2.6179135	21	7 22.9	20.1
219817 2002 BK_{23}	15.9	X	297.98578	6.33306	47.24120	12.36344	0.2007678	0.23846324	2.5754616	21	9 18.6	18.8
219818 2002 BN_{23}	15.7	X	213.86548	18.09933	28.44250	11.85531	0.1332106	0.22535227	2.6744107	21	5 24.9	20.1
219819 2002 BE_{24}	16.0	X	135.07052	133.66960	348.17921	14.24870	0.1848986	0.22280529	2.6947535	21	6 18.0	20.6
219820 2002 BD_{26}	15.8	X	264.63970	42.42268	4.04004	32.85620	0.3125222	0.23382582	2.6094025	21	7 5.1	20.6
219821 2002 BW_{26}	16.1	X	278.47094	353.05262	21.86428	4.05075	0.2214932	0.23140099	2.6275999	21	6 14.6	19.9
219822 2002 CB_{4}	16.3	X	304.66344	57.68513	53.42027	4.52185	0.1824750	0.24315152	2.5422488	21	12 22.8	18.4
219823 2002 CE_{17}	15.5	X	10.45520	205.91911	317.68262	12.14230	0.0792891	0.20953966	2.8073199	21	2 8.5	18.8
219824 2002 CH_{17}	15.6	X	251.19756	41.55090	322.08364	11.01756	0.0712765	0.22243138	2.6977727	21	5 14.9	19.7
219825 2002 CG_{20}	15.8	X	5.47315	141.23804	65.39330	4.11556	0.0194659	0.21268744	2.7795521	21	4 3.1	19.5
219826 2002 CA_{28}	16.0	X	180.01167	340.02890	94.37365	8.73841	0.1793636	0.22314610	2.6920090	21	5 31.3	20.5
219827 2002 CQ_{35}	16.2	X	132.87203	192.22322	284.47937	3.94951	0.1158982	0.22068747	2.7119662	21	6 2.8	20.3
219828 2002 CW_{36}	15.8	X	215.08908	255.36153	119.16740	10.15316	0.1342386	0.21837259	2.7310981	21	4 23.4	20.3
219829 2002 CR_{39}	15.9	X	189.96426	102.00616	332.22621	10.84610	0.1749901	0.22332366	2.6905820	21	6 6.8	20.5
219830 2002 CB_{49}	16.6	X	168.18295	124.66979	316.27992	4.16550	0.1435804	0.22125423	2.7073329	21	5 25.8	21.0
219831 2002 CF_{56}	15.7	X	98.93217	134.49268	331.67780	7.99073	0.1275628	0.21175460	2.7877092	21	4 8.3	19.5
219832 2002 CB_{63}	15.6	X	80.33406	132.16210	26.66198	9.50972	0.0677005	0.21678529	2.7444133	21	5 14.9	19.3
219833 2002 CB_{80}	16.3	X	132.78297	336.13726	83.58237	1.81504	0.0642754	0.21084843	2.7956908	21	3 17.6	20.1
219834 2002 CK_{80}	12.7	X	226.98025	160.71812	345.55905	10.38468	0.0383274	0.08319333	5.1968924	21	10 8.3	19.8
219835 2002 CH_{82}	13.2	X	284.25164	121.74060	337.58003	6.50938	0.0970989	0.08493113	5.1257583	21	10 12.7	20.0
219836 2002 CW_{88}	16.0	X	126.66944	306.70364	112.66375	5.55039	0.0920981	0.21081129	2.7960191	21	3 15.0	20.0
219837 2002 CH_{109}	12.6	X	311.78235	92.49002	346.81050	7.07018	0.0646454	0.08447213	5.1443095	21	10 27.2	19.2
219838 2002 CG_{120}	16.6	X	206.30422	261.38595	174.57399	4.30196	0.2590062	0.22756631	2.6570358	21	6 21.7	21.3
219839 2002 CX_{120}	15.9	X	154.60596	99.50568	301.55962	8.63410	0.0749616	0.21356053	2.7719713	21	3 15.2	20.1
219840 2002 CJ_{130}	16.3	X	213.17251	253.89193	173.93334	4.44450	0.2611943	0.22584606	2.6705110	21	6 17.1	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219841 2002 CJ_{136}	16.0	X	272.37000	249.33240	152.78192	13.91887	0.2860498	0.23418316	2.6067473	21	7 4.8	20.1
219842 2002 CY_{145}	16.1	X	258.43111	167.69655	255.08322	1.33446	0.3087849	0.23153943	2.6265525	21	7 14.6	20.3
219843 2002 CV_{147}	16.0	X	150.95583	319.62316	98.43078	4.92983	0.0458081	0.21471820	2.7619987	21	4 5.3	20.0
219844 2002 CQ_{148}	13.3	X	348.44369	170.18554	233.59528	2.36996	0.0795713	0.08717145	5.0375558	21	11 5.2	19.6
219845 2002 CZ_{178}	17.1	X	176.60668	39.48179	39.52718	2.14052	0.1793244	0.22294411	2.6936348	21	6 1.8	21.6
219846 2002 CL_{179}	16.3	X	100.03807	9.70311	94.01554	2.45005	0.0567367	0.21376262	2.7702239	21	3 31.7	20.0
219847 2002 CX_{198}	16.0	X	200.25377	336.75634	341.08529	5.29360	0.0651896	0.20493046	2.8492575	21	1 28.1	20.2
219848 2002 CO_{199}	16.1	X	3.50109	223.95617	336.89719	5.08548	0.0192512	0.21144101	2.7904649	21	3 20.9	19.8
219849 2002 CS_{204}	16.2	X	286.34210	143.84464	101.21856	3.31304	0.0115158	0.20643204	2.8354238	21	2 9.6	20.1
219850 2002 CA_{205}	16.2	X	54.05477	354.71751	117.68786	3.77956	0.1229111	0.20710035	2.8293206	21	2 13.2	19.5
219851 2002 CP_{210}	16.1	X	130.62510	103.01647	0.52609	4.04956	0.0987395	0.21620511	2.7493207	21	5 11.5	20.1
219852 2002 CL_{212}	17.1	X	209.00308	71.62090	9.47866	1.52680	0.1910302	0.22652003	2.6652113	21	7 3.2	21.5
219853 2002 CU_{212}	15.9	X	203.55962	326.50529	331.80984	8.57928	0.0567608	0.20199366	2.8768081	21	1 8.9	20.2
219854 2002 CS_{219}	15.0	X	217.55941	237.80272	354.37762	17.67337	0.1492497	0.19081094	2.9881372	21	—	—
219855 2002 CE_{220}	16.0	X	80.10843	300.28576	144.87073	2.97012	0.0383415	0.20534321	2.8454381	21	2 7.1	19.6
219856 2002 CN_{225}	15.8	X	262.04471	265.75858	164.86946	14.25294	0.3109921	0.23520671	2.5991793	21	7 26.5	19.9
219857 2002 CB_{230}	13.8	X	326.48447	256.27749	161.00939	3.06932	0.0776108	0.08462828	5.1379797	21	10 23.4	20.2
219858 2002 CD_{232}	16.3	X	243.53087	29.51813	26.35845	6.14637	0.2663418	0.23127749	2.6285352	21	6 26.7	20.6
219859 2002 CX_{245}	15.6	X	301.46034	236.37417	172.81121	12.65383	0.2754109	0.23732364	2.5836998	21	8 27.0	18.2
219860 2002 CN_{246}	15.8	X	204.76267	204.15778	138.00431	16.31766	0.2161048	0.21066289	2.7973321	21	3 3.9	20.7
219861 2002 CP_{250}	16.1	X	115.24809	283.04227	117.07781	3.06844	0.0739703	0.20480490	2.8504219	21	2 1.6	20.0
219862 2002 CM_{251}	16.1	X	89.32813	97.97710	24.49314	5.00463	0.0880641	0.21562370	2.7542607	21	4 14.0	19.7
219863 2002 CV_{252}	15.4	X	265.12912	33.41201	9.80919	15.01696	0.2715844	0.23057645	2.6338604	21	7 1.9	19.7
219864 2002 CK_{254}	16.1	X	78.18628	171.46968	298.27487	3.07006	0.0624942	0.21090727	2.7951708	21	3 8.6	19.6
219865 2002 CN_{254}	15.5	X	137.57815	326.84505	321.81705	11.72856	0.1012651	0.19191649	2.9766505	21	—	—
219866 2002 CS_{266}	13.6	X	274.02233	56.45871	55.56506	1.61392	0.0218401	0.08532794	5.1098546	21	10 27.1	20.3
219867 2002 CM_{270}	16.8	X	88.44212	118.84456	345.94104	2.92768	0.0553240	0.21035915	2.8000242	21	3 16.3	20.6
219868 2002 CV_{273}	16.2	X	183.75099	241.89264	150.27838	3.33444	0.0818677	0.21413274	2.7670308	21	4 10.7	20.3
219869 2002 CX_{277}	16.3	X	159.33119	267.52736	146.05406	4.43410	0.0940948	0.21441456	2.7646057	21	4 12.5	20.4
219870 2002 CB_{283}	15.8	X	172.98582	273.62176	322.95453	10.74649	0.0998278	0.18847905	3.0127331	21	12 6.1	20.6
219871 2002 CC_{286}	15.7	X	171.08006	84.45230	297.71151	5.10432	0.0431774	0.21081045	2.7960266	21	3 9.9	19.7
219872 2002 CY_{301}	16.4	X	66.08237	73.10441	50.19835	4.01744	0.1357130	0.21082886	2.7958638	21	3 21.4	19.7
219873 2002 CG_{307}	15.9	X	120.83963	80.08155	3.73537	6.21105	0.0442174	0.21335557	2.7737462	21	3 29.2	19.6
219874 2002 CU_{314}	16.7	X	79.77438	288.91836	188.29175	4.14261	0.0187515	0.21010102	2.8023171	21	3 15.7	20.6
219875 2002 DX_{5}	15.9	X	269.12416	207.69311	195.01271	6.08374	0.2838969	0.23316957	2.6142963	21	7 1.9	19.9
219876 2002 DK_{7}	15.3	X	242.62024	354.91517	54.09745	14.39573	0.1636539	0.22832087	2.6511785	21	6 25.9	19.5
219877 2002 DD_{15}	16.0	X	258.71728	97.29050	197.67028	3.96770	0.0356210	0.20949151	2.8077500	21	3 4.7	20.0
219878 2002 EH_{2}	16.2	X	127.00465	173.49496	217.50167	1.23327	0.0629394	0.20296822	2.8675920	21	2 2.8	20.3
219879 2002 ET_{4}	16.5	X	196.37589	331.69018	358.30169	1.55075	0.0129784	0.20355601	2.8620690	21	2 5.5	20.3
219880 2002 EO_{8}	15.9	X	210.78581	69.09870	166.18683	10.69645	0.0576818	0.19160439	2.9798820	21	—	—
219881 2002 ES_{32}	12.7	X	292.86890	58.05510	26.41634	9.89083	0.0264646	0.08399709	5.1636866	21	10 17.2	19.4
219882 2002 EY_{36}	16.0	X	59.38863	280.07486	154.89824	9.80699	0.0400091	0.19957163	2.9000368	21	—	—
219883 2002 EB_{38}	16.0	X	198.03747	99.96090	203.77315	1.28807	0.0465985	0.19893098	2.9062598	21	1 8.1	20.1
219884 2002 EH_{49}	15.2	X	90.44821	298.73782	344.46702	22.71598	0.2144262	0.18057926	3.0999699	21	11 11.6	20.6
219885 2002 EP_{58}	15.7	X	281.36987	305.98268	298.15192	3.75456	0.0977193	0.20293002	2.8679519	21	1 22.4	19.9
219886 2002 ER_{58}	15.4	X	185.08199	271.82935	316.83850	5.27858	0.1151307	0.18752628	3.0229291	21	12 8.2	20.2
219887 2002 EZ_{61}	15.8	X	118.12781	234.47393	196.99771	6.14494	0.1300817	0.20935806	2.8089430	21	3 22.2	19.8
219888 2002 EU_{64}	15.7	X	311.78382	253.91923	336.47531	5.05542	0.0698209	0.20434021	2.8547417	21	2 14.7	19.7
219889 2002 EJ_{66}	15.3	X	197.22678	238.14548	351.69186	10.42903	0.0430456	0.18836593	3.0139391	21	12 29.5	19.9
219890 2002 EO_{80}	12.9	X	297.83601	72.92599	9.57835	8.50718	0.1306640	0.08226079	5.2360944	21	10 7.8	19.5
219891 2002 EK_{83}	14.7	X	58.28494	311.20989	1.97114	22.19901	0.1147093	0.17814321	3.1281665	21	10 31.8	19.4
219892 2002 EF_{95}	13.3	X	294.72165	291.43936	165.23859	6.08594	0.0460525	0.08307600	5.2017842	21	10 31.8	20.1
219893 2002 EQ_{96}	15.3	X	113.09898	102.08214	178.11423	13.86713	0.2240660	0.18017460	3.1046097	21	12 7.7	20.7
219894 2002 EK_{108}	15.7	X	126.47195	300.07256	344.18773	8.26087	0.0948447	0.18750776	3.0231282	21	12 17.4	20.5
219895 2002 EJ_{109}	16.3	X	55.05019	243.61549	158.48852	10.21420	0.0684533	0.19479399	2.9472638	21	—	—
219896 2002 EW_{111}	13.2	X	31.51640	328.70885	27.02555	2.02054	0.0356704	0.08364556	5.1781438	21	11 2.5	19.8
219897 2002 ET_{114}	13.2	X	295.71142	319.81916	121.34626	3.71014	0.1135130	0.08176346	5.2573056	21	10 7.7	19.9
219898 2002 ER_{118}	15.8	X	149.97719	95.34884	284.12905	0.96476	0.0794380	0.20388126	2.8590242	21	2 17.2	19.8
219899 2002 EH_{119}	15.6	X	183.40525	328.76878	293.58141	3.67336	0.1481700	0.18950743	3.0018240	21	—	—
219900 2002 ET_{125}	15.9	X	176.93432	297.87355	94.34565	3.79528	0.0195969	0.21152949	2.7896867	21	4 1.4	19.8
219901 2002 EC_{132}	15.8	X	215.72920	68.68984	170.02757	10.26435	0.0564515	0.19167523	2.9791478	21	—	—
219902 2002 EG_{134}	12.9	X	330.06903	192.20944	224.52460	4.63900	0.0832612	0.08278747	5.2138633	21	10 25.6	19.4
219903 2002 ES_{135}	15.5	X	303.56777	108.19886	116.80392	3.26568	0.0292969	0.20214240	2.8753967	21	2 3.8	19.5
219904 2002 EL_{136}	15.8	X	108.90690	261.83286	150.36354	2.56886	0.0625280	0.20350589	2.8625389	21	2 6.8	19.5
219905 2002 ET_{140}	13.3	X	309.35251	60.46594	24.74706	5.87418	0.0334740	0.08423100	5.1541226	21	11 4.1	20.0
219906 2002 ES_{148}	16.2	X	122.85481	72.51310	14.61928	1.92008	0.1268237	0.21103083	2.7940796	21	4 16.3	20.0
219907 2002 EL_{160}	13.5	X	309.07650	285.14787	155.24438	6.75508	0.0826643	0.08212204	5.2419905	21	10 27.4	20.1
219908 2002 ES_{161}	13.3	X	302.56222	242.47642	208.57761	8.62383	0.0724026	0.08621307	5.0748200	21	10 31.2	19.9
219909 2002 FF_{8}	15.0	X	119.18813	41.53764	191.83300	17.30202	0.1767441	0.17702564	3.1413183	21	10 16.8	20.0
219910 2002 FX_{23}	16.2	X	91.10872	228.50244	176.85104	6.32793	0.0907095	0.19883393	2.9072055	21	1 10.3	20.1
219911 2002 FD_{25}	14.9	X	98.80434	240.02953	17.10332	27.16594	0.2137782	0.17810496	3.1286144	21	10 23.1	20.0
219912 2002 FR_{41}	15.5	X	86.70780	308.23965	356.99323	4.38944	0.1749547	0.17785221	3.1315778	21	12 7.9	20.4
219913 2002 GE_{1}	15.5	X	190.40238	8.24611	191.80627	11.14834	0.0732062	0.18169625	3.0872520	21	11 13.8	20.2
219914 2002 GX_{7}	17.2	X	276.54170	237.26060	49.08389	7.52084	0.2925298	0.30268382	2.1968981	21	2 8.8	20.9
219915 2002 GB_{9}	15.9	X	201.35020	126.64979	120.49589	3.25151	0.1932462	0.18642906	3.0347783	21	—	—
219916 2002 GZ_{13}	15.0	X	85.37995	304.97916	26.85527	16.06196	0.1017029	0.18260136	3.0770417	21	—	—
219917 2002 GP_{26}	14.8	X	353.90952	331.71156	30.45449	9.67751	0.0938751	0.17496896	3.1658867	21	10 9.9	18.8
219918 2002 GZ_{37}	16.0	X	158.71703	25.57727	245.36535	0.62882	0.1493543	0.18340469	3.0680500	21	12 31.4	21.1
219919 2002 GA_{57}	15.0	X	77.70445	314.37918	3.03467	14.77453	0.0555694	0.18312773	3.0711425	21	11 26.7	19.7
219920 2002 GV_{61}	15.2	X	69.25984	144.18779	208.32542	9.64122	0.1078170	0.18291262	3.0735500	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219921 2002 GX_{65}	15.5	X	356.34895	266.80840	191.64607	9.93881	0.0683214	0.19086086	2.9876161	21	—	—
219922 2002 GH_{66}	15.0	X	87.97409	115.97572	189.86864	9.72188	0.2273132	0.17705922	3.1409210	21	12 15.2	20.2
219923 2002 GK_{71}	16.1	X	111.17028	341.87386	136.16108	5.09709	0.1594429	0.21258816	2.7804174	21	5 18.3	20.1
219924 2002 GY_{71}	15.6	X	107.21621	317.33215	170.64418	6.50541	0.1366680	0.21305114	2.7763879	21	5 23.4	19.6
219925 2002 GB_{75}	15.2	X	145.64743	285.45597	32.78593	11.94432	0.1019860	0.18976039	2.9991557	21	—	—
219926 2002 GZ_{76}	15.0	X	297.10940	353.39613	162.83319	11.83154	0.0238636	0.19016598	2.9948897	21	—	—
219927 2002 GK_{85}	15.6	X	149.17262	66.00157	170.92267	10.29684	0.0985611	0.17999551	3.1066686	21	11 15.7	20.5
219928 2002 GC_{87}	14.9	X	116.72378	224.63309	61.55575	10.54829	0.1311756	0.18069675	3.0986260	21	12 10.7	19.9
219929 2002 GZ_{90}	15.7	X	163.84946	168.40524	91.34331	2.78122	0.1313857	0.18250142	3.0781649	21	12 23.4	20.5
219930 2002 GO_{94}	15.4	X	53.25093	76.83938	6.45115	16.06387	0.1003919	0.19800759	2.9152882	21	1 8.3	19.3
219931 2002 GW_{94}	14.9	X	52.83722	289.61957	17.77016	9.53737	0.0859747	0.17510117	3.1642930	21	10 21.5	19.3
219932 2002 GS_{96}	15.0	X	107.19529	109.40376	214.91802	9.53404	0.1161776	0.18550115	3.0448902	21	—	—
219933 2002 GF_{100}	15.8	X	169.34768	3.63077	198.09868	7.70210	0.1534937	0.17964660	3.1106899	21	10 22.3	20.9
219934 2002 GD_{109}	15.6	X	128.07433	58.84587	150.95846	6.52689	0.1452137	0.17366071	3.1817667	21	9 25.4	20.6
219935 2002 GH_{128}	16.0	X	105.84277	44.65675	202.10984	5.40719	0.1424653	0.17513120	3.1639312	21	10 16.4	20.8
219936 2002 GS_{131}	15.3	X	37.05252	212.91760	219.92888	9.26757	0.0350885	0.19226210	2.9730823	21	—	—
219937 2002 GQ_{132}	18.0	X	343.91100	236.04891	8.07443	5.30109	0.1772388	0.30932220	2.1653527	21	3 17.6	19.6
219938 2002 GY_{138}	15.2	X	151.87720	158.55587	145.32535	7.96803	0.0518733	0.19079455	2.9883084	21	—	—
219939 2002 GN_{139}	15.6	X	214.24478	111.26385	103.24371	3.80469	0.0764694	0.18665146	3.0323671	21	12 25.3	19.9
219940 2002 GD_{144}	15.1	X	150.18280	121.72917	155.95448	9.77992	0.0581803	0.18563892	3.0433836	21	—	—
219941 2002 GT_{145}	14.6	X	68.19122	300.39569	358.03453	17.27726	0.1926234	0.17466959	3.1695031	21	11 6.9	19.5
219942 2002 GU_{145}	15.2	X	248.25492	205.98954	358.52162	11.00064	0.0453610	0.18990884	2.9975925	21	—	—
219943 2002 GS_{148}	15.7	X	295.21041	233.59879	288.24806	1.67328	0.0367563	0.19115799	2.9845194	21	—	—
219944 2002 GZ_{148}	15.1	X	102.89266	223.95490	55.17642	5.99672	0.1447875	0.17849374	3.1240698	21	11 20.9	20.0
219945 2002 GN_{150}	15.9	X	151.28892	7.01198	276.34178	1.10760	0.0777530	0.18616649	3.0376311	21	—	—
219946 2002 GP_{158}	14.7	X	100.60871	276.32773	67.02307	10.87946	0.1300900	0.18488451	3.0516569	21	—	—
219947 2002 GC_{160}	15.2	X	113.19946	72.90710	194.22704	18.14744	0.1589391	0.17490438	3.1666660	21	11 18.9	20.4
219948 2002 GX_{164}	15.4	X	315.23297	306.02220	187.13201	8.60562	0.0620447	0.18856900	3.0117750	21	—	—
219949 2002 GR_{167}	15.2	X	113.97002	273.82013	15.32499	10.43053	0.1168845	0.17966595	3.1104665	21	12 9.7	20.2
219950 2002 GA_{168}	14.8	X	78.14666	304.48924	18.59503	22.45439	0.1468007	0.17946955	3.1127354	21	12 14.7	19.9
219951 2002 GF_{173}	15.7	X	225.21975	127.74887	155.84406	3.41859	0.0433906	0.19673423	2.9278541	21	1 13.9	20.1
219952 2002 GA_{174}	15.0	X	94.99866	164.42453	152.50067	10.56239	0.1274148	0.17964895	3.1106628	21	12 25.9	19.9
219953 2002 GB_{180}	15.4	X	134.38873	139.69732	196.40572	10.39002	0.0876990	0.18967914	3.0000120	21	—	—
219954 2002 GL_{184}	13.0	X	305.26554	249.13701	204.20641	15.53410	0.1170160	0.08349202	5.1844905	21	11 1.4	19.6
219955 2002 HB_{1}	14.9	X	162.84845	247.65624	20.14700	11.96547	0.1637917	0.18793310	3.0185650	21	—	—
219956 2002 HM_{17}	15.0	X	105.80536	231.39315	41.57663	10.63856	0.1249289	0.17686375	3.1432349	21	11 13.9	19.8
219957 2002 JZ_{4}	15.5	X	200.30370	9.83324	220.42803	5.69070	0.2265533	0.18490089	3.0514766	21	12 16.2	20.6
219958 2002 JG_{16}	12.8	X	168.75407	183.01296	38.38185	16.32453	0.0515833	0.08575688	5.0928012	21	11 2.8	19.7
219959 2002 JC_{20}	14.9	X	75.94192	230.38878	103.64754	12.44891	0.1018471	0.18020195	3.1042955	21	12 23.8	19.4
219960 2002 JD_{54}	14.9	X	196.70893	329.51536	228.28203	16.68684	0.0719070	0.17980943	3.1088117	21	11 16.2	19.5
219961 2002 JP_{60}	14.7	X	128.89231	357.08208	2.82044	10.46009	0.1014943	0.19108599	2.9852690	21	1 8.1	19.1
219962 2002 JM_{72}	14.8	X	109.64258	91.50086	208.06142	16.01472	0.1350873	0.17698732	3.1417717	21	12 19.0	20.0
219963 2002 JO_{84}	17.5	X	262.83450	25.78694	236.15149	3.92153	0.1759524	0.29852549	2.2172522	21	1 2.2	20.9
219964 2002 JE_{85}	15.1	X	101.45314	205.13539	48.09033	5.72211	0.1449134	0.17254586	3.1954573	21	10 20.7	20.0
219965 2002 JG_{85}	15.9	X	157.84067	188.13499	50.90878	3.15624	0.1384864	0.17887695	3.1196063	21	11 23.7	20.8
219966 2002 JP_{86}	14.9	X	75.81626	81.24283	225.70540	8.68101	0.0807844	0.17537746	3.1609687	21	11 18.3	19.4
219967 2002 JX_{93}	14.6	X	81.40846	59.69169	243.42391	9.18608	0.1227181	0.17402599	3.1773128	21	11 24.5	19.2
219968 2002 JC_{95}	15.0	X	96.15440	26.17267	250.68023	8.62266	0.0674509	0.17347832	3.1839965	21	11 1.7	19.8
219969 2002 JB_{108}	14.9	X	163.51900	40.51999	131.34904	17.21248	0.1457757	0.17430172	3.1739610	21	9 15.1	20.2
219970 2002 JR_{116}	14.9	X	160.97253	142.37897	113.01624	18.14214	0.0866726	0.18453517	3.0555071	21	12 18.7	19.7
219971 2002 JC_{119}	15.4	X	155.47699	65.44512	160.42356	17.09027	0.1886943	0.17724829	3.1386870	21	11 10.7	20.9
219972 2002 JL_{119}	15.3	X	281.78342	279.21161	213.92093	9.15014	0.0213269	0.18336773	3.0684622	21	12 15.0	19.6
219973 2002 JU_{128}	17.7	X	286.70975	95.24258	179.32033	5.19853	0.1995133	0.30263047	2.1971563	21	2 6.5	20.8
219974 2002 JM_{137}	16.1	X	124.32154	16.64086	254.47048	0.73417	0.1518719	0.17691247	3.1426577	21	12 1.4	21.2
219975 2002 KA_{11}	15.0	X	135.97932	92.37361	165.22809	7.70586	0.1021397	0.17788220	3.1312258	21	11 26.2	20.0
219976 2002 LD	15.0	X	80.84378	150.44206	127.39896	8.64667	0.0321503	0.17114049	3.2129271	21	10 16.6	19.7
219977 2002 LM_{2}	17.1	X	252.01124	179.70231	121.21147	6.53639	0.2371215	0.29914795	2.2141755	21	2 8.4	20.6
219978 2002 LC_{22}	16.6	X	293.44785	103.26462	251.29906	2.26288	0.1825215	0.31237264	2.1512327	21	6 10.3	18.8
219979 2002 LT_{23}	16.7	X	212.47934	201.11925	98.63135	8.14164	0.2219440	0.29049679	2.2579197	21	1 7.5	20.3
219980 2002 LH_{37}	16.5	X	168.96996	66.86401	271.24890	22.39808	0.2337724	0.28757821	2.2731708	21	1 14.4	20.2
219981 2002 LL_{49}	14.8	X	80.30887	108.50494	210.79654	16.67971	0.1571102	0.17576000	3.1563805	21	12 15.7	19.8
219982 2002 LE_{50}	17.0	X	238.62874	333.41628	314.14624	4.97263	0.2565368	0.29312543	2.2444006	21	1 13.1	20.9
219983 2002 LU_{61}	17.9	X	281.78556	85.71994	190.64124	7.36924	0.2334242	0.30092767	2.2054369	21	1 31.5	21.4
219984 2002 NJ_{23}	17.1	X	223.77546	61.15160	216.84894	4.09111	0.1668827	0.28955353	2.2628207	21	—	—
219985 2002 NO_{34}	16.9	X	229.70225	97.32778	240.28484	6.16809	0.1430272	0.29714291	2.2241247	21	3 6.4	20.4
219986 2002 NY_{42}	17.5	X	283.05075	220.90561	44.65250	5.24112	0.1766111	0.29700541	2.2248111	21	1 28.3	20.7
219987 2002 NE_{44}	15.3	X	120.10295	45.31495	291.98128	15.03168	0.2365438	0.17600337	3.1534702	21	—	—
219988 2002 NA_{46}	17.4	X	216.88259	24.48206	272.62337	4.38479	0.1687230	0.29116661	2.2544555	21	1 6.2	20.7
219989 2002 NK_{52}	17.5	X	278.69099	314.43640	318.41177	5.37295	0.2129863	0.29729459	2.2233682	21	1 28.8	20.7
219990 2002 NN_{64}	17.1	X	259.71890	189.38354	93.17025	7.44404	0.1151369	0.29593244	2.2301856	21	1 30.8	20.2
219991 2002 NC_{65}	17.4	X	221.90986	215.87142	163.29615	6.17062	0.0412932	0.30276538	2.1965035	21	5 1.9	20.1
219992 2002 OO_{4}	17.7	X	132.15949	168.74043	150.04419	3.12261	0.1853596	0.28026721	2.3125326	21	—	—
219993 2002 OL_{13}	16.8	X	247.22604	74.56800	219.99015	6.64814	0.1194516	0.29460511	2.2368792	21	1 29.5	20.1
219994 2002 OJ_{18}	17.4	X	167.55792	153.92342	181.10666	5.81966	0.2224933	0.28647924	2.2789805	21	1 11.8	20.9
219995 2002 PP_{12}	17.1	X	115.28528	221.54272	205.69487	3.89114	0.1217884	0.29211685	2.2495638	21	2 26.6	19.6
219996 2002 PV_{13}	17.2	X	225.98170	20.06800	288.02112	3.55301	0.1568084	0.29351011	2.2424392	21	1 27.3	20.5
219997 2002 PL_{16}	17.5	X	179.23085	28.71251	297.25031	2.53309	0.1803815	0.28817698	2.2700209	21	1 8.6	20.7
219998 2002 PG_{23}	17.0	X	132.33173	193.61338	166.87330	6.62252	0.1423466	0.28441073	2.2900171	21	—	—
219999 2002 PP_{26}	17.8	X	216.48239	122.74729	158.10847	5.30650	0.1701559	0.28816560	2.2700807	21	—	—
220000 2002 PQ_{30}	17.8	X	157.32863	109.74290	224.67097	2.54999	0.2355927	0.28473367	2.2882853	21	1 3.5	21.1